

## **Uninterruptible Power System (UPS)**

## FA10449

All IntelliPower systems utilize circuit boards, chassis, components and construction techniques that are specifically designed for extreme environments rugged, challenging thermal and/or shock and vibration applications. Our digital, double conversion on-line UPS, power conditioner and frequency/voltage converter solutions utilize high-efficiency power switching and galvanic isolation, which provides ideal electrical output performance. Our standard build practices have enabled certified compliance to a number of performance standards for select models and product families. IntelliPower systems have proven performance in a wide range of key rugged military programs within the Army, Air Force, Navy and Marines. IntelliPower products are designed and manufactured in the USA, which means shorter lead times from design to shipping, as well as a level of personalized service unequaled in the marketplace.





Uninterruptible Power System (UPS)				
Part #:	FA10449	Rev. 09172021		
Model #:	IHT650RM-I-0.5Kw-120-FC60-120-LiFeHS-3U17			
650VA, 500W, 120VAC 60Hz Input and 120VAC 60Hz Output, Frequency Changer, Non-Isolated, Power Factor Corrected,1/2 Rack Unit, 3U High x 8.5" Wide x 17" Deep, Rugged, Double Conversion, to Provide Power Conditioning and Hot Swap Battery Hold-up for Industrial Applications				

INPUT RATINGS				
Input AC Voltage (AC Voltage, tolerance):	120 VAC, (-25% +15%)			
Input DC Voltage (AC Voltage, tolerance):	N/A			
Input Frequency (Hz, tolerance):	60 Hz, +/- 5.0 Hz			
Input Max Current (Amps):	7.9 Amps			
PFC Feature:	Input Power Factor Correction			
Breaker & Switch AC Input (type, location):	2P10A, Toggle Switch, Mounted Vertically, Magnetic Hydraulic Breaker			
OUTPUT RATINGS				
Power Rating (VA, Watts):	650 VA, 500 Watts			
Output AC Voltage (AC Voltage, tolerance):	120 VAC, (±3%)			
Output DC Voltage (DC Voltage, tolerance):	N/A			

(continued)









Output Frequency (Hz. follower/changer): Output Sync Requirements: N/A Isolation (galvanic isolation/non-isolated): Non-isolated Non-isolated Non-isolated Output AC Breaker & Switch (type, location): Output AC Breaker & Switch (type, location): Output Overstood - Shutdown or Bypass: Alarm at 105%, Shutdown at 115% of Full Load  MECHANICAL Enclosure Type & Size (type/rack unit, dimensions): Enclosure Material & Finish (aluminum/steel finish): Aluminum, Chem Film Coated with Charcoal Gray Powder Coat Enclosure Airflow (front to rear/front to side/other): Front-to-Rear Nominal Weight +/- los.: Fan Fillers (EMI/dust/combination/grill): Gonformal Coated PCBaS (yes/no): INTERFACE COMMUNICATIONS Serial Data Stream (SINNP v3/RS232, type): Sysecial (CIP, Vmkore ESX/ESX/IO)her): N/A ADDITIONAL ELECTRICAL FEATURES AND CONTROLS/INTERFACE Auto Start (manual start/auto start): Connector(S) AC Input (type, location): Connector(S) AC Input (type, location): Connector(S) AC Input (type, location): Connector(S) BEP/Charger (type, location): Battery Type (rating, PbAcid/Pure PbAcid/Lithium Iron): Battery Type (rating, PbAcid/Pure PbAcid/Lithium Iron): Battery String (number of strings, quantity per string): Battery Mounting (hol swap/fixed): Hol Swap Drower  Entermined Type (action): All Emperature (Operating):					
Solation (galvanic isolation/non-isolated): Non-isolated   Non-i	Output Frequency (Hz, follower/changer):	60 Hz, Follower			
Neutral Bonded to Ground (bonded/un-bonded/switch):  Output AC Breaker & Switch (type, location):  Output Overload - Shutdown or Bypass:  Alarm at 105%, Shutdown at 115% af Full Load  MECHANICAL  Enclosure Type & Size (type/rack unit, dimensions):  Enclosure Type & Size (type/rack unit, dimensions):  Enclosure Martine (Innit (aluminum/steel finish):  Enclosure Martine (Innit (Innit to rear/front to side/other):  Enclosure Airflow (Innit to rear/front to side/other):  Front-to-Rear  Nominal Weight +/- Ibs:  Parillers (EMI/dust/combination/grill):  Grill  Conformal Coated PCBAs (yes/no):  INTERFACE COMMUNICATIONS  Serial Data Stream (ISNMP v3/RS232, type):  Special (CIP, VMware ESX/ESXI/Other):  N/A  ADDITIONAL ELECTRICAL FEATURES AND CONTROLS/INTERFACE  Auto Start (manual start/outo start):  Cold Start Switch (Yes/No):  No  CONNECTORS  Connector(s) AC Input (type, location):  Connector(s) AC Output (type, location):  Alarm at 105%, Shutdown at 115% af Full Load  Minutes at 100 Watts (Simple pack)  Battery Type (Iroting, PbAcid/Pure PbAcid/Lithium Iron):  Battery Type (Iroting, PbAcid/Pure PbAcid/Lithiu	Output Sync Requirements:	N/A			
Output AC Breaker & Switch (type, location): Output Overload - Shutdown or Bypass: Alarm at 105%. Shutdown at 115% of Full Load  MECHANICAL Enclosure Iype & Size (type/rack unit, dimensions): Enclosure Material & Finish (aluminum/steel finish): Aluminum, Chem Film Coated with Charcoal Gray Powder Coat Enclosure Airllow (front to rear/front to side/other): Front-to-Rear Nominal Weight +/- Ibs.: Fron Filters (EMI/dust/combination/grill): Gall Conformal Coated PCBAs (yes/no): INTERFACE COMMUNICATIONS Serial Data Stream (SNMP v3/RS232, type): Special (CIP, VMware ESX/ESXI/Other): N/A Discrete (Relay/Opto, Description): Auto Start (manual start/auto start): Cold Start Switch (Yes/No): No CONNECTORS Connector(s) AC Input (type, location): Connector(s) AC Output (type, location): AUTO START (type, location): Discrete (SPE)/Charger (type, location): AUTO Start (special Composition): PX/A  Battery Type (rating, PbAcid/Pure PbAcid/Lithium Iron): Battery Total Quantity: Battery Total Quantity: Battery String (number of strings, quantity per string): Battery String (number of strings, quantity per string): Battery Munimum Run Time (approx, run time at #watts): Battery Munimum Run Time (approx, run time at #watts): Battery Munimum Run Time (approx, run time at #watts): Battery Munimum Run Time (approx, run time at #watts): Battery Munimum Run Time (approx, run time at #watts): Battery Mounting (hot swap/fixed): Battery Mounting (hot swap/fi	Isolation (galvanic isolation/non-isolated):	Non-Isolated			
Output Overload – Shutdown or Bypass:  MECHANICAL  Enclosure Type & Size (type/rack unit, dimensions): Enclosure Material & Finish (aluminum/steet finish): Aluminum, Chem Film Coated with Charcoal Gray Powder Coat Enclosure Airflow (front to rear/front to side/other): Front-to-Rear  Nominal Weight +/- Ibs.: Fan Filters (EMI/dust/combination/grill): Conformal Coated PCBAs (yes/no):  NTERFACE COMMUNICATIONS  Serial Data Stream (SNMP v3/RS232, type): SNMP, v3 Special (CIP, VMware ESX/ESX/COther): N/A  Discrete (Relay/Opto, Description): ADDITIONAL ELECTRICAL FEATURES AND CONTROLS/INTERFACE  Auto Start (manual start/auto start): Cod Start Switch (Yes/No): CONNECTORS  Connector(s) &C Input (type, location): Connector(s) AC Output (type, location): Saftery Type (rating, PbAcid/Pure PbAcid/Lithium Iron): Battery Type (rating, PbAcid/Pure PbAcid/Lithium Iron): Battery String (number of strings, quantity per string): Battery String (number of strings, quantity per string): Battery String (number of strings, quantity per string): Battery Minimum Run Time (approx, run time at #watts): Battery Minimum Run Time (approx, run time at #watts): Battery Minimum Run Time (approx, run time at #watts): Battery Minimum Run Time (approx, run time at #watts): Battery Minimum Run Time (approx, run time at #watts): Battery Minimum Run Time (approx, run time at #watts): Battery Minimum Run Time (approx, run time at #watts): Battery Minimum Run Time (approx, run time at #watts): Battery Minimum Run Time (approx, run time at #watts): Battery Minimum Run Time (approx, run time at #watts): Battery Minimum Run Time (approx, run time at #watts): Battery Minimum Run Time (approx, run time at #watts): Battery Minimum Run Time (approx, run time at #watts): Battery Minimum Run Time (approx, run time at #watts): Battery Minimum Run Time (approx, run time at #watts): Battery Minimum Run Time (approx, run time at #watts): Battery Minimum Run Time (approx, run time at #watts): Battery Minimum Run Time (approx, run time at #watts): Battery Minimum Run	Neutral Bonded to Ground (bonded/un-bonded/switch):	Un-bonded			
RecHANICAL	Output AC Breaker & Switch (type, location):	1P7.5A, Push to Reset, Magnetic Hydraulic Breaker			
Enclosure Type & Size (type/rack unit, dimensions): Flat Surface Mountable, 3U x 8.5" W x 17" D  Enclosure Material & Finish (aluminum/steel finish): Aluminum, Chem Film Coated with Charcoal Gray Powder Coat  Enclosure Airliaw (front to rear/front to side/other): Front-to-Rear  Nominal Weight +/- lbs.: 24lbs.  Fan Filters (EMI/dust/combination/grill): Grill  Conformal Coated PCBAs (yes/no): Yes  INTERFACE COMMUNICATIONS  Serial Data Stream (SNMP v3/RS232, type): SNMP, v3  Special (CIP, VMware ESX/ESXI/Other): N/A  Discrete (Relay/Opto, Description): N/A  ADDITIONAL ELECTRICAL FEATURES AND CONTROLS/INTERFACE  Auto Start (manual start/outo start): Auto Start  Cold Start Switch (Yes/No): No  CONNECTORS  Connector(s) AC Input (type, location): 1 Each: IEC C14 Inlet, Rear Panel  Connector(s) AC Output (type, location): 3 Each: NEMA 5-15R, Rear Panel  Connector(s) EBP/Charger (type, location): N/A  BATTERIES  Battery Type (rating, PbAcid/Pure PbAcid/Lithium Iron): 22.4 V 2.85 Ah, Battery String, Lithium Iron Phosphate  Battery Total Quantity: 28 S1P Batteries  Battery String Voltage: 92.4 VDC  Battery String (Industry Company): Single pack  Battery String (Industry Company): His Minutes at 500 Watts (70% Efficiency)  44 Minutes at 100 Watts (50% Efficiency)  Battery Mounting (hot swap/fixed): Hot Swap Drawer  External Battery Mounting (hot swap/fixed): Hot Swap Drawer  External Battery Mounting (hot swap/fixed): All  Iemperature (Operating): -20°C to +50°C	Output Overload – Shutdown or Bypass:	Alarm at 105%, Shutdown at 115% of Full Load			
Enclosure Material & Finish (aluminum/steel finish): Enclosure Airflow (front to rear/front to side/other): Enclosure Airflow (front to rear/front to side/other): Front-to-Rear  Naminal Weight *f- Ibs.: Fan Filters (EMI/dust/combination/grill): Grill Conformal Coated PCBAs (yes/no): Yes  INTERFACE COMMUNICATIONS  Serial Data Stream (SNMP v3/RS232, type): SNMP, v3 Special (CIP, VMware ESX/ESXI/Other): N/A Discrete (Relay/Opto, Description): N/A  Abditional Electrical Features And Controls/INTERFACE  Auto Start (manual start/outo start): Cold Start Switch (Yes/No): No  CONNECTORS  Connector(s) AC Input (type, location): Connector(s) AC Output (type, location): Connector(s) EBP/Charger (type, location): N/A  BATTERIES  Battery Type (rating, PbAcid/Pure PbAcid/Lithium Iron): Battery Type (rating, PbAcid/Pure PbAcid/Lithium Iron): Battery String Voltage: Battery String (number of strings, quantity per string): Sattery Minimum Run Time (approx. run time at #watts): Hat Sun Manual Battery Module (EBM) PN: External Battery Module (EBM) PN: N/A  Enterparture (Operating): All Iemperature (Operating): All Imperature (Operating): All Imper	MECHANICAL				
Enclosure Airflow (front to rear/front to side/other):  Nominal Weight +/- Ibs.:  24lbs.  Fan Filters (EMI/dust/combination/grill):  Conformal Coarted PCBAs (yes/no):  NTERFACE COMMUNICATIONS  Serial Data Stream (SNMP v3/RS232, type):  SNMP, v3  Special (CIP, VMware ESX/ESXI/Other):  N/A  ADDITIONAL ELECTRICAL FEATURES AND CONTROLS/INTERFACE  Auto Start (manual start/auto start):  Auto Start (manual start/auto start):  Cold Start Switch (Yes/No):  CONNECTORS  Connector(s) AC Input (type, location):  Connector(s) EBP/Charger (type, location):  ATERIES  Battery Type (rating, PbAcid/Pure PbAcid/Lithium Iron):  Battery Total Quantity:  Battery String Valtage:  Battery String Valtage:  Battery String (number of strings, quantity per string):  Battery Minimum Run Time (approx. run time at #watts):  Battery Mounting (hot swap/fixed):  External Battery Mounting (slipboard/airborne/ground/all):  All  Itemperature (Operating):  24lbs.  Front-Io-Rear  Panil  Application (shipboard/airborne/ground/all):  All  Itemperature (Operating):  Pront-Io-Rear  Panil  Application (shipboard/airborne/ground/all):  All  Itemperature (Operating):  Panil  Panil  Application (shipboard/airborne/ground/all):  All  Itemperature (Operating):  Panil  Application (Shipboard/airborne/ground/all):  All  Itemperature (Operating):	Enclosure Type & Size (type/rack unit, dimensions):	Flat Surface Mountable, 3U x 8.5" W x 17" D			
Naminal Weight +/- ibs.:  Fan Filters (EMI/dust/combination/grill):  Conformal Coated PCBAs (yes/no):  INTERFACE COMMUNICATIONS  Serial Data Stream (SNMP v3/RS232, type):  Special (CIP, VMware ESX/ESX/Other):  N/A  Discrete (Relay/Opto, Description):  N/A  ADDITIONAL ELECTRICAL FEATURES AND CONTROLS/INTERFACE  Auto Start (manual start/auto start):  Cold Start Switch (Yes/No):  CONNECTORS  Connector(s) AC Input (type, location):  Connector(s) AC Output (type, location):  Connector(s) BP/Charger (type, location):  N/A  BATTERIES  Battery Type (rating, PbAcid/Pure PbAcid/Lithium Iron):  Battery Total Quantity:  Battery Total Quantity:  Battery Total Quantity:  Battery String Voltage:  Battery String (number of strings, quantity per string):  Battery Minimum Run Time (approx. run time at #watts):  Battery Minimum Run Time (approx. run time at #watts):  Battery Mounting (hot swap/fixed):  External Battery Moulting (hot swap/fixed):  External Battery Moulting (hot swap/fixed):  External Battery Mounting (hot swap/fixed):  All  Temperature (Operating):  24lbs.  24lbs.  Single pack  11 Minutes at 500 Watts (70% Efficiency)  44 Minutes at 100 Watts (50% Efficiency)  All  Temperature (Operating):  All  Temperature (Operating):  All  Temperature (Operating):  All  Temperature (Operating):	Enclosure Material & Finish (aluminum/steel finish):	Aluminum, Chem Film Coated with Charcoal Gray Powder Coat			
Fan Filters (EMI/dust/combination/grill): Grill Conformal Coated PCBAs (yes/no): Yes  INTERFACE COMMUNICATIONS Serial Data Stream (SNMP v3/RS232, type): SNMP, v3 Special (CIP, VMware ESX/ESX/Other): N/A Discrete (Relay/Opto, Description): N/A  ADDITIONAL ELECTRICAL FEATURES AND CONTROLS/INTERFACE Auto Start (manual start/auto start): Auto Start Cold Start Switch (Yes/No): No  CONNECTORS  Connector(s) AC Input (type, location): 1 Each: IEC C14 Inlet, Rear Panel Connector(s) AC Output (type, location): 3 Each: NEMA 5-15R, Rear Panel Connector(s) EBP/Charger (type, location): N/A  BATTERIES Battery Type (rating, PbAcid/Pure PbAcid/Lithium Iron): 92.4V 2.85 Ah, Battery String, Lithium Iron Phosphate Battery Total Quantity: 28 SIP Batteries Battery String Voltage: 92.4 VDC Battery String (number of strings, quantity per string): Single pack  11 Minutes at 500 Watts (70% Efficiency) 44 Minutes at 100 Watts (50% Efficiency) 44 Minutes at 100 Watts (50% Efficiency) Battery Mounting (hot swap/fixed): Hot Swap Drawer External Battery Module (EBM) PN: N/A  EMI and ENVIRONMENTAL Application (shipboard/airbome/ground/all): All Temperature (Operating): -20°C to +50°C	Enclosure Airflow (front to rear/front to side/other):	Front-to-Rear			
Conformal Coated PCBAs (yes/no): Yes  INTERFACE COMMUNICATIONS  Serial Data Stream (SNMP v3/RS232, type): SNMP, v3  Special (CIP, VMware ESX/ESX/Other): N/A  Discrete (Relay/Opto, Description): N/A  ADDITIONAL ELECTRICAL FEATURES AND CONTROLS/INTERFACE  Auto Start (manual start/auto start): Auto Start  Cold Start switch (Yes/No): No  CONNECTORS  Connector(s) AC Input (type, location): 1 Each: IEC C14 Inlet, Rear Panel  Connector(s) AC Output (type, location): 3 Each: NEMA 5-15R, Rear Panel  Connector(s) EBP/Charger (type, location): N/A  BATTERIES  Battery Type (rating, PbAcid/Pure PbAcid/Lithium Iron): 92.4V 2.85 Ah, Battery String, Lithium Iron Phosphate  Battery String Voltage: 92.4 VDC  Battery String (number of strings, quantity per string): Single pack  Battery Minimum Run Time (approx. run time at #watts): 11 Minutes at 500 Watts (70% Efficiency)  44 Minutes at 100 Watts (50% Efficiency)  Battery Mounting (hot swap/fixed): Hot Swap Drawer  External Battery Module (EBM) PN: N/A  EMI and ENVIRONMENTAL  Application (shipboard/airborne/ground/all): All  Temperature (Operating): -20°C to +50°C	Nominal Weight +/- lbs.:	24lbs.			
INTERFACE COMMUNICATIONS  Serial Data Stream (SNMP v3/RS232, type): SNMP, v3  Special (CIP, VMware ESX/ESXi/Other): N/A  Discrete (Relay/Opto, Description): N/A  ADDITIONAL ELECTRICAL FEATURES AND CONTROLS/INTERFACE  Auto Start (manual start/auto start): Auto Start  Cold Start Switch (Yes/No): No  CONNECTORS  Connector(s) AC Input (type, location): 1 Each: IEC C14 Inlet, Rear Panel  Connector(s) AC Output (type, location): 3 Each: NEMA 5-15R, Rear Panel  Connector(s) EBP/Charger (type, location): N/A  BATTERIES  Battery Type (rating, PbAcid/Pure PbAcid/Lithium Iron): 92.4V 2.85 Ah, Battery String, Lithium Iron Phosphate  Battery Total Quantity: 28 S1P Batteries  Battery String Voltage: 92.4 VDC  Battery String (number of strings, quantity per string): Single pack  Battery Minimum Run Time (approx. run time at #watts): 41 Minutes at 100 Watts (70% Efficiency)  44 Minutes at 100 Watts (50% Efficiency)  Battery Mounting (hot swap/fixed): Hot Swap Drawer  External Battery Module (EBM) PN: N/A  EMI and ENVIRONMENTAL  Application (shipboard/airborne/ground/all): All  Temperature (Operating): -20°C to +50°C	Fan Filters (EMI/dust/combination/grill):	Grill			
Serial Data Stream (SNMP v3/RS232, type):  Special (CIP, VMware ESX/ESXi/Other):  N/A  Discrete (Relay/Opto, Description):  N/A  ADDITIONAL ELECTRICAL FEATURES AND CONTROLS/INTERFACE  Auto Start (manual start/auto start):  Cold Start Switch (Yes/No):  CONNECTORS  Connector(s) AC Input (type, location):  Connector(s) AC Output (type, location):  Connector(s) EBP/Charger (type, location):  N/A  BATTERIES  Battery Type (rating, PbAcid/Pure PbAcid/Lithium Iron):  Battery Type (rating, PbAcid/Pure PbAcid/Lithium Iron):  Battery String Voltage:  Battery String (number of strings, quantity per string):  Battery Minimum Run Time (approx. run time at #watts):  Battery Munifing (hot swap/fixed):  External Battery Module (EBM) PN:  External Battery Module (EBM) PN:  External Battery Module (EBM) PN:  External Stripo (Operating):  All  Temperature (Operating):  N/A  N/A  Auto Start  N/A  Auto Start  N/A  Auto Start  N/A  Auto Start  Auto Start  N/A  Auto Start  Auto Start  Auto Start  N/A  EMI and ENVIRONMENTAL  Application (shipboard/airborne/ground/all):  All  Temperature (Operating):	Conformal Coated PCBAs (yes/no):	Yes			
Special (CIP, VMware ESX/ESXi/Other): N/A  Discrete (Relay/Opto, Description): N/A  ADDITIONAL ELECTRICAL FEATURES AND CONTROLS/INTERFACE  Auto Start (manual start/auto start): Auto Start  Cold Start Switch (Yes/No): No  CONNECTORS  Connector(s) AC Input (type, location): 1 Each: IEC C14 Inlet, Rear Panel  Connector(s) AC Output (type, location): 3 Each: NEMA 5-15R, Rear Panel  Connector(s) EBP/Charger (type, location): N/A  BATTERIES  Battery Type (rating, PbAcid/Pure PbAcid/Lithium Iron): 92.4V 2.85 Ah, Battery String, Lithium Iron Phosphate  Battery String Voltage: 92.4 VDC  Battery String (number of strings, quantity per string): Single pack  Battery Minimum Run Time (approx. run time at #watts): 41 Minutes at 500 Watts (70% Efficiency)  44 Minutes at 100 Watts (50% Efficiency)  Battery Mounting (hot swap/fixed): Hot Swap Drawer  External Battery Module (EBM) PN: N/A  EMI and ENVIRONMENTAL  Application (shipboard/airborne/ground/all): All  Temperature (Operating): -20°C to +50°C	INTERFACE COMMUNICATIONS				
Discrete (Relay/Opto, Description):  ADDITIONAL ELECTRICAL FEATURES AND CONTROLS/INTERFACE  Auto Start (manual start/auto start):  Cold Start Switch (Yes/No):  No  CONNECTORS  Connector(s) AC Input (type, location):  Connector(s) AC Output (type, location):  Connector(s) EBP/Charger (type, location):  N/A  BATTERIES  Battery Type (rating, PbAcid/Pure PbAcid/Lithium Iron):  Battery String Voltage:  Battery String (number of strings, quantity per string):  Battery Minimum Run Time (approx. run time at #watts):  Battery Mounting (hot swap/fixed):  External Battery Module (EBM) PN:  External Battery Module (EBM) PN:  EMI and ENVIRONMENTAL  Application (shipboard/airborne/ground/all):  I Each: IEC C14 Inlet, Rear Panel  Auto Start  A	Serial Data Stream (SNMP v3/RS232, type):	SNMP, v3			
ADDITIONAL ELECTRICAL FEATURES AND CONTROLS/INTERFACE  Auto Start (manual start/auto start):  Cold Start Switch (Yes/No):  CONNECTORS  Connector(s) AC Input (type, location):  Connector(s) AC Output (type, location):  Connector(s) AC Output (type, location):  Connector(s) EBP/Charger (type, location):  BATTERIES  Battery Type (rating, PbAcid/Pure PbAcid/Lithium Iron):  Battery Total Quantity:  Battery String Voltage:  Battery String (number of strings, quantity per string):  Battery Minimum Run Time (approx. run time at #watts):  Battery Mounting (hot swap/fixed):  External Battery Module (EBM) PN:  External Battery Module (EBM) PN:  External Battery Module (Shipboard/airborne/ground/all):  I auto Start  I Each: IEC C14 Inlet, Rear Panel  I Each: IEC C14 Inlet,	Special (CIP, VMware ESX/ESXi/Other):	N/A			
Auto Start (manual start/auto start):  Cold Start Switch (Yes/No):  No  CONNECTORS  Connector(s) AC Input (type, location):  Connector(s) AC Output (type, location):  Connector(s) AC Output (type, location):  Connector(s) EBP/Charger (type, location):  N/A  BATTERIES  Battery Type (rating, PbAcid/Pure PbAcid/Lithium Iron):  Battery Total Quantity:  Battery String Voltage:  Battery String Voltage:  Battery String (number of strings, quantity per string):  Battery Minimum Run Time (approx. run time at #watts):  Battery Mounting (hot swap/fixed):  External Battery Module (EBM) PN:  External Battery Module (String):  All  Temperature (Operating):  Auto Start  No  No  1 Each: IEC C14 Inlet, Rear Panel  2 Each: IEC C14 Inlet, Rear Panel  2 Each: IEC C14 Inlet, Rear Panel  2 Each: IEC C14 Inlet, Rear Panel  3 Each: NEMA 5-15R, Rear Panel  2 Each: IEC C14 Inlet, Rear Panel  3 Each: NEMA 5-15R, Rear Panel  2 Each: IEC C14 Inlet, Rear Panel  3 Each: NEMA 5-15R, Rear Panel  2 Each: IEC C14 Inlet, Rear Panel  3 Each: NEMA 5-15R, Rear Panel  2 Each: IEC C14 Inlet, Rear Panel  3 Each: NEMA 5-15R, Rear Panel  4 Each: IEC C14 Inlet, Rear Panel  4 Each: IEC C14 Inlet, Rear Panel  5 Each: NEMA 5-15R, Rear Panel  4 Each: IEC C14 Inlet, Rear Panel  5 Each: IEC C14 Inlet, Rear Panel  5 Each: IEC C14 Inlet, Rear Panel  6 Each: IEC C14 Inlet, Rear Panel  6 Each: IEC C14 Inlet, Rear Panel  7 Each: IEC C14 Inlet, Rear Panel  8 Each: IEC C14 Inlet, Rear Panel  8 Each: IEC C14 Inlet, Rear Panel  9 Each: IEC C14 Inlet, Rear Panel  9 Each: IEC C14 Inlet, Rear Panel  1 Each: IEC C14 Inlet, Rear Panel  9 Each: IEC C14 Inlet, Rear Panel  9 Each: IEC C14 Inlet, Rear Panel  1 Each: IEC C14 Inlet, Rear Panel  9 Each: IEC C14 Inlet, Rear Panel  1 Each: IEC C14 Inlet, Bear	Discrete (Relay/Opto, Description):	N/A			
Cold Start Switch (Yes/No):  CONNECTORS  Connector(s) AC Input (type, location):  Connector(s) AC Output (type, location):  Connector(s) AC Output (type, location):  Connector(s) EBP/Charger (type, location):  BATTERIES  Battery Type (rating, PbAcid/Pure PbAcid/Lithium Iron):  Battery Total Quantity:  Battery String Voltage:  Battery String (number of strings, quantity per string):  Battery Minimum Run Time (approx. run time at #watts):  Battery Mounting (hot swap/fixed):  External Battery Module (EBM) PN:  External Battery Module (shipboard/airborne/ground/all):  I lach: IEC C14 Inlet, Rear Panel  1 Each: IEC C14 Inlet, Rear Panel  2 Sear Panel  3 Each: NEMA 5-15R, Rear Panel  9 2.4V 2.85 Ah, Battery Panel  9 2.4V 2.85 Ah, Battery String, Lithium Iron Phosphate  9 2.4V DC  8 S 1P Batteries  9 2.4 VDC  8 Single pack  11 Minutes at 500 Watts (70% Efficiency)  44 Minutes at 100 Watts (50% Efficiency)  Hot Swap Drawer  External Battery Module (EBM) PN:  N/A  EMI and ENVIRONMENTAL  Application (shipboard/airborne/ground/all):  All  Temperature (Operating):  -20°C to +50°C	ADDITIONAL ELECTRICAL FEATURES AND CONTROLS/INTERFACE				
CONNECTORS  Connector(s) AC Input (type, location):  Connector(s) AC Output (type, location):  Connector(s) EBP/Charger (type, location):  BATTERIES  Battery Type (rating, PbAcid/Pure PbAcid/Lithium Iron):  Battery Total Quantity:  Battery String Voltage:  Battery String (number of strings, quantity per string):  Battery Minimum Run Time (approx. run time at #watts):  Battery Mounting (hot swap/fixed):  External Battery Module (EBM) PN:  EXTERIAL STRING (Shipboard/airborne/ground/all):  All  Temperature (Operating):  1 Each: IEC C14 Inlet, Rear Panel  2 Each: NEMA 5-15R, Rear Panel  3 Each: NEMA 5-15R, Rear Panel  1 Each: IEC C14 Inlet, Rear Panel  2 Each: NEMA 5-15R, Rear Panel  3 Each: NEMA 5-15R, Rear Panel  3 Each: NEMA 5-15R, Rear Panel  2 Each: NEMA 5-15R, Rear Panel  3 Each: NEMA 5-15R, Rear Panel  4 Each: IEC C14 Inlet, Rear Panel  3 Each: NEMA 5-15R, Rear Panel  4 Each: NEMA 5-15R, Rear Panel  5 Each: NEMA 5-15R, Rear Panel  6 All  All  Temperature (Operating):  -20°C to +50°C	Auto Start (manual start/auto start):	Auto Start			
Connector(s) AC Input (type, location):  Connector(s) AC Output (type, location):  Connector(s) EBP/Charger (type, location):  N/A  BATTERIES  Battery Type (rating, PbAcid/Pure PbAcid/Lithium Iron):  Battery Total Quantity:  Battery String Voltage:  Battery String (number of strings, quantity per string):  Battery Minimum Run Time (approx. run time at #watts):  Battery Mounting (hot swap/fixed):  External Battery Module (EBM) PN:  EMI and ENVIRONMENTAL  Application (shipboard/airborne/ground/all):  1 Each: IEC C14 Inlet, Rear Panel  3 Each: NEMA 5-15R, Rear Panel  4 Each: IEC C14 Inlet, Rear Panel  4 External Sattery String (number of strings)  4 Sear Panel  5 Each: NEMA 5-15R, Rear Panel  5 Each: NEMA 5-15R, Rear Panel  6 Sear Panel  7 Each: IEC C14 Inlet, Rear Panel  8 Each: NEMA 5-15R, Rear Panel  9	Cold Start Switch (Yes/No):	No			
Connector(s) AC Output (type, location):  Connector(s) EBP/Charger (type, location):  N/A  BATTERIES  Battery Type (rating, PbAcid/Pure PbAcid/Lithium Iron):  Battery Total Quantity:  Battery String Voltage:  Battery String (number of strings, quantity per string):  Battery Minimum Run Time (approx. run time at #watts):  Battery Mounting (hot swap/fixed):  External Battery Module (EBM) PN:  EMI and ENVIRONMENTAL  Application (shipboard/airborne/ground/all):  All  Temperature (Operating):  N/A  N/A  N/A  Rattery String, Rear Panel  N/A  P2.4V 2.85 Ah, Battery String, Lithium Iron Phosphate  28 S1P Battery String, Lithium Iron Phosphate  Single pack  11 Minutes at 500 Watts (70% Efficiency)  44 Minutes at 100 Watts (50% Efficiency)  N/A  EMI and ENVIRONMENTAL  Application (shipboard/airborne/ground/all):  All  Temperature (Operating):  -20°C to +50°C	CONNECTORS				
Connector(s) EBP/Charger (type, location):  BATTERIES  Battery Type (rating, PbAcid/Pure PbAcid/Lithium Iron):  Battery Total Quantity:  Battery String Voltage:  Battery String (number of strings, quantity per string):  Battery String (number of strings, quantity per string):  Battery Minimum Run Time (approx. run time at #watts):  Battery Mounting (hot swap/fixed):  External Battery Module (EBM) PN:  EMI and ENVIRONMENTAL  Application (shipboard/airborne/ground/all):  Temperature (Operating):  AVA  P2.4V 2.85 Ah, Battery String, Lithium Iron Phosphate  92.4V DC  Single pack  11 Minutes at 500 Watts (70% Efficiency)  44 Minutes at 100 Watts (50% Efficiency)  N/A  EMI and ENVIRONMENTAL  Application (shipboard/airborne/ground/all):  All  Temperature (Operating):  -20°C to +50°C	Connector(s) AC Input (type, location):	1 Each: IEC C14 Inlet, Rear Panel			
Battery Type (rating, PbAcid/Pure PbAcid/Lithium Iron):  Battery Total Quantity:  Battery String Voltage:  Battery String (number of strings, quantity per string):  Battery Minimum Run Time (approx. run time at #watts):  Battery Mounting (hot swap/fixed):  External Battery Module (EBM) PN:  EMI and ENVIRONMENTAL  Application (shipboard/airborne/ground/all):  Temperature (Operating):  92.4V 2.85 Ah, Battery String, Lithium Iron Phosphate  92.4V DC  Single pack  11 Minutes at 500 Watts (70% Efficiency)  44 Minutes at 100 Watts (50% Efficiency)  N/A Efficiency  All Indiana Iron Iron Iron Iron Iron Iron Iron Iron	Connector(s) AC Output (type, location):	3 Each: NEMA 5-15R, Rear Panel			
Battery Type (rating, PbAcid/Pure PbAcid/Lithium Iron):  Battery Total Quantity:  Battery String Voltage:  Battery String (number of strings, quantity per string):  Battery Minimum Run Time (approx. run time at #watts):  Battery Mounting (hot swap/fixed):  External Battery Module (EBM) PN:  EMI and ENVIRONMENTAL  Application (shipboard/airborne/ground/all):  Temperature (Operating):  28 S1P Battery String, Lithium Iron Phosphate  38 S1P Battery String, Lithium Iron Phosphate  39 Lithium Iron Phosphate  30 S1P Battery String, Lithium Iron Phosphate  31 Single pack  11 Minutes at 500 Watts (70% Efficiency)  44 Minutes at 100 Watts (50% Efficiency)  N/A  EMI and ENVIRONMENTAL  Application (shipboard/airborne/ground/all):  -20°C to +50°C	Connector(s) EBP/Charger (type, location):	N/A			
Battery Total Quantity:  Battery String Voltage:  Battery String (number of strings, quantity per string):  Battery Minimum Run Time (approx. run time at #watts):  Battery Mounting (hot swap/fixed):  External Battery Module (EBM) PN:  EMI and ENVIRONMENTAL  Application (shipboard/airborne/ground/all):  Temperature (Operating):  28 S1P Batteries  92.4 VDC  Single pack  11 Minutes at 500 Watts (70% Efficiency)  44 Minutes at 100 Watts (50% Efficiency)  N/A  N/A  All  Temperature (Operating):  All	BATTERIES				
Battery String Voltage:  Battery String (number of strings, quantity per string):  Single pack  Battery Minimum Run Time (approx. run time at #watts):  Battery Mounting (hot swap/fixed):  External Battery Module (EBM) PN:  EMI and ENVIRONMENTAL  Application (shipboard/airborne/ground/all):  Temperature (Operating):  92.4 VDC  Single pack  11 Minutes at 500 Watts (70% Efficiency)  44 Minutes at 100 Watts (50% Efficiency)  N/A  N/A  All  Temperature (Operating):  -20°C to +50°C	Battery Type (rating, PbAcid/Pure PbAcid/Lithium Iron):	92.4V 2.85 Ah, Battery String, Lithium Iron Phosphate			
Battery String (number of strings, quantity per string):  Battery Minimum Run Time (approx. run time at #watts):  Battery Mounting (hot swap/fixed):  External Battery Module (EBM) PN:  M/A  EMI and ENVIRONMENTAL  Application (shipboard/airborne/ground/all):  Temperature (Operating):  Single pack  11 Minutes at 500 Watts (70% Efficiency)  44 Minutes at 100 Watts (50% Efficiency)  N/A  N/A  All  Temperature (Operating):  -20°C to +50°C	Battery Total Quantity:	28 S1P Batteries			
Battery Minimum Run Time (approx. run time at #watts):  Battery Mounting (hot swap/fixed):  External Battery Module (EBM) PN:  EMI and ENVIRONMENTAL  Application (shipboard/airborne/ground/all):  Temperature (Operating):  11 Minutes at 500 Watts (70% Efficiency)  44 Minutes at 100 Watts (50% Efficiency)  N/A  N/A  All  Temperature (Operating):  -20°C to +50°C	Battery String Voltage:	92.4 VDC			
Battery Minimum Run Time (approx. run Time at #waits):  44 Minutes at 100 Watts (50% Efficiency)  Hot Swap Drawer  External Battery Module (EBM) PN:  N/A  EMI and ENVIRONMENTAL  Application (shipboard/airborne/ground/all):  Temperature (Operating):  -20°C to +50°C	Battery String (number of strings, quantity per string):	Single pack			
External Battery Module (EBM) PN:  M/A  EMI and ENVIRONMENTAL  Application (shipboard/airborne/ground/all):  Temperature (Operating):  -20°C to +50°C	Battery Minimum Run Time (approx. run time at #watts):				
EMI and ENVIRONMENTAL  Application (shipboard/airborne/ground/all):  Temperature (Operating):  -20°C to +50°C	Battery Mounting (hot swap/fixed):	Hot Swap Drawer			
Application (shipboard/airborne/ground/all):  Temperature (Operating):  -20°C to +50°C	External Battery Module (EBM) PN:	N/A			
Temperature (Operating): -20°C to +50°C	EMI and ENVIRONMENTAL				
	Application (shipboard/airborne/ground/all):	All			
Humidity: 0-95%, Non-Condensing	Temperature (Operating):	-20°C to +50°C			
	Humidity:	0-95%, Non-Condensing			

 ${\tt Specifications} \ {\tt subject} \ {\tt to} \ {\tt change} \ {\tt without} \ {\tt notice}.$