



ARES FIRE AND
SAFETY SYSTEMS LLC

POWER SYSTEMS

POWER DISTRIBUTION UNITS

Power distribution units can automatically distribute AC and DC power provided from 2-10 different sources to 50 different units.

On PDU system with 2 digital screens, it provides the information such as operation hour, battery charge status, power selection to the user.

Power Distribution Units can be specially designed, produced, tested according to requested needs, dimensions and capacities by ARESFSS.

It can automatically distribute AC and DC power to 50 different units.

On the unit where there are separate fuses for each unit whose power requirement is supplied, it is ensured that power of other units is not cut even if a unit blows the fuse.

Power Distribution Units are military products which have successfully passed high temperature, low temperature, high humidity, shock-vibration and EMI/EMC tests as per MIL STD 810H, MIL STD 461F and MIL STD 1275E standards.



PDU-80 POWER DISTRIBUTION UNIT



GENERAL SPECIFICATIONS

- AC/DC output control
- Remote control with computer software
- Ability to measure temperature and automatically adjust the environment to the desired temperature,
- Ability to control all functions over Ethernet
- Instantly transferring UPS faults and statuses to the user with the Power Distribution Unit,
- Ability to manually power the equipment to be fed by disabling the PDU from the software,
- Power Distribution Unit can manage 3 AC Inputs (UPS, City Network, Generator),
- Being able to automatically charge the UPS batteries when the generator or grid are on.
- With Toggle-type circuit breakers, it provides over-current, short-circuit protections.
- Ability to switch 10 AC/DC outputs,
- It has the ability to read DC, AC current, - Voltage and Frequency values and transfer them to the user.

TECHNICAL SPECIFICATIONS

COMMUNICATION INFRASTRUCTURE	RS422, RS485, CANBUS
DIMENSION (LXWXH)	482x176x630 MM
WEIGHT	3 KG
OPERATING TEMPERATURE	-32 / +55 °C
STORAGE TEMPERATURE	-40 / +60 °C

FAILURE AND WARNING MODES

- AC High,
- AC Low,
- AC Reverse,
- DC High,
- DC Low,
- Temperature High,
- It has Temperature Low warning modes.

STANDARDS

MIL-C-38999	Military Connector
MIL-DTL-27500	Special Purpose, Electrical Shielded and Unshielded Cables
MIL-STD-461E	Military Electromagnetic Compatibility
MIL-STD-810G	Military Environmental Conditions
MIL-STD-1275E	28 VDC Counter Characteristic
STANAG 4135AC	AC Current Characteristic