



ES1U-4860

ES Series

Embedded System

Rackmount Switch Mode Power Supply (48V)



Telecom



Data Center



Local area
Networks



Industrial
Processes



Servers



E-business

ES Series Rackmount Switch Mode Power Supply (48V) 20 ~ 60A

Technical Specifications

| Model | | ES1U-4860 | |
|-------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------|--|
| AC Input | | | |
| Rated Input Voltage | | 220 / 240V | |
| Voltage Range | | 85 - 300V | |
| Frequency Range | | 45 - 66Hz | |
| Power Factor | | ≥ 0.99 | |
| Efficiency | | > 92% | |
| DC Output | | | |
| Rated Voltage | | 48V | |
| Voltage Range | | 42 - 60V | |
| Rated Current | | 20 / 30 / 40 / 60 A | |
| Load Regulation | | ≤ ±0.5% | |
| Source Effect | | ≤ ±0.1% | |
| Ripple Rejection | | 50mV _{peak-to-peak} | |
| Protection | AC input capability to withstand transient voltage surge up to 6KV as defined by IEEE C62.41 for Category A3 with 8/20us surge rating, < 5nS response time and < 10uA leakage current | | |
| | Output Short-Circuit Electronic Fuse Protection | | |
| | Output Over Voltage and Over-current or Overload Protection | | |
| | Automatic Output Power On Delay | | |
| Load Distribution | | 1 outlet load total connecting terminal | |
| Battery Distribution | | 1 outlet battery total connecting terminal | |
| Battery LVD | | 60A x 1 | |
| Mode of Connection | | Connect terminal to front panel | |
| Rectifier Module | | SR4810, SR4815, SR4820, SR4830 | |
| Monitoring Module | STM-III | | |
| | Provides RJ45 Ethernet Interface, Battery Management, Low Voltage Detection, Ambient Temperature Detection, etc | | |
| Safety Characteristics | | | |
| Input - Output | | 3000vac / 10mA / 1 min no arcing, no breakdown | |
| Input - Chassis | | 2500vac / 10mA / 1 min no arcing, no breakdown | |
| Input - Chassis | | 500vac / 10mA / 1 min no arcing, no breakdown | |
| Environment | | | |
| Operating Temperature | | - 40 ~ 70°C | |
| Humidity | | ≤ 95% non-condensing | |
| Mechanical Characteristic | | | |
| Weight (KG) (include rectifier module) | N.W | 6.0 | |
| Dimension W*H*D (mm) | | 482.6 x 44 x 280 | |

STANDARD: Conform to IEC regulation; EMC: EN55022 CLASS B and EU RoHS Directive

Note: Product specifications are subject to change without further notice.