

DDRH-120/240 Series

120W & 240W Ultra-Wide 250~1500Vdc Input DIN Rail Type DC-DC Converter

In recent years, the demand for renewable energy such as photovoltaics and energy storage has increased drastically. As a response, MEAN WELL launched the DDRH-60 and RSDH-150/300 (details in table below) subsequently. Now we are launching a new 120W/240W ultra-wide 250~1500Vdc high voltage input DIN rail DC-DC converter, the DDRH-120/240 series.

DDRH-120/240 series key features include: 250~1500Vdc ultra-wide input range, fanless design operational in -40 ~ +80°C wide temperature range, 4KVac high isolation level, input/output complete protection features, superior EMC performance, high altitude 5000M operation, and compliance to the IEC/EN62109-1 PV safety. These features enable the DDRH-120/240 series to be suitable for PV, energy storage, charging station, and other applications that have high voltage to low voltage DC conversion requirement.

Features

- 250~1500Vdc ultra-wide input voltage
- 4KVac I/O isolation
- Free air convection, can operate between -40~+80°C
(+50°C@full load without derating), suitable for various installation conditions
- Fanless design, no noise
- Excellent EMC performance, meet EN55032 Class A EMI performance without external components
- Built-in potentiometer, can trim output (12~15V, 24~29V, 30~36V, 48~58V)
- Protections:
Input – Under voltage protection, reverse polarity (No damage)
Output – Short circuit, overload, over voltage, over temperature
- Dimensions (WxHxD):
DDRH-120 : 63 x 125.2 x 115mm
DDRH-240 : 85.5 x 125.2 x 129.2mm
- Approvals: CB/DEKRA (IEC/EN 62109-1), EAC, CE, UKCA
- 3 years warranty