



Powerstar 19" 48V, DC standby systems:

Can be ordered with 1, 2, and 3 modules

TS19-48DXX-Lm/3U for standard 19" racks (XX = max. system current 18A, 36A, 75A, 90A)

TSR- 48VXX-Lm/5g vagy **9g** cabinet with built-in batteries (XX = max. system current 18A, 36A, 75A, 90A)

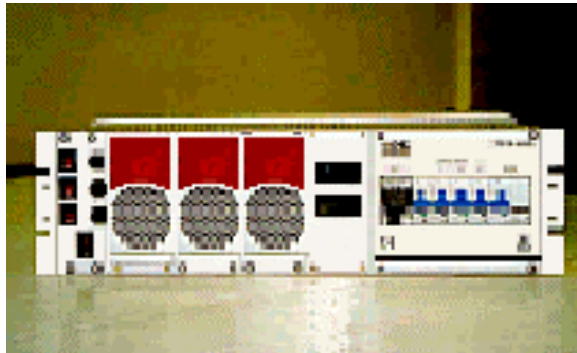
Standard 3U high 19" rack systems

TS19-48D18-...Lm/3U (48V, 6A, 12A, 18A)

TS19-48D36-... Lm/3U (48V, 12A, 24A, 36A)

TS19-48D75-... Lm/3U (48V, 25A, 50A, 75A)

TS19-48D90-... Lm/3U (48V, 30A, 60A, 90A)



Complete systems with built-in batteries:

TSR-48D18-...Lm/5g or **/9g** (48V, 6A, 12A, 18A)

TSR-48D36-...Lm/5g or **/9g** (48V, 12A, 24A, 36A)

TSR-48D75-...Lm/5g or **/9g** (48V, 25A, 50A, 75A)

TSR-48D90-...Lm/5g or **/9g** (48V, 30A, 60A, 90A)



Technical datas:

Input voltage:	230V, 50Hz -15% +10%
Input fuses:	6A, 16A, 32A (C) circ. breakers D class over voltage protection
Power factor (Pf):	0.99
Output voltage	54V ± 0.2% (float 20°C)
System current (max)	18A, 36A, 75A, 90A
Ripple	@ BW=30MHz 200mVp-p 20mVrms
Szophometric noise	-52 dbm over 600? (<2mV)
Efficiency (nom. power)	88% @ 230 VAC
Output over voltage protection	60 VDC
Signals	output voltage and current LED graph for module current
Remote signals:	3 or 5 potencial free contacts

- general failure *
- mains failure *
- low battery voltage 47,6V
- deep charging and over voltage *
- module failure
- * Signals in case of systems with 3 potential free contacts

Deep charging level	42V
Current share (modules)	±10% at nominal power
DC distribution	3 pcs. of 2-50A circuit breakers
Battery fuses	2 pcs. of max. 63A

DC distribution options

extended output circuit breakers	max 16 pcs.
Dissipation	max. 450W
Size: W x H x D	482 x 132 x 280mm (3U high syst)
Size: W x H x D	530 x 1000 x 420mm (for 5g type) 530 x 1000 x 600mm (for 9g type)
Mass:	12 kg (for 3U high syst)
Mass without batteries:	68 kg (for complete cabinets)

Built-in batteries

- 4 pcs. of 12V standard battery blocks
- 2 x 4 pcs. of front access battery blocks
- 50Ah or 100 Ah blocks (in case of 5g system type)
- 75Ah or 150 Ah blocks (in case of 9g system type)

Expected life time of the built-in battery banks are 10-12 years

Features:

- low internal resistor, flammable cases
- high cycle number, low self discharge
- VRLA technology