

## IC3000 (19 inch, 2U, up to 5.4kW)

## RECTIFIERS / BATTERY CHARGERS

- ☒ Input voltage 3x 230V~50Hz
- ☒ Output voltage 27.6V, 55.2V, 124.2V, 248.4V / up to 5.4kW output power, parallel operation
- ☒ Voltage adjustable range (-13% ÷ + 6%)
- ☒ LED bar to display the load size
- ☒ Remote ON/OFF, temperature controlled charging (-3mV/°C/cell), remote control
- ☒ Mounting type: 19" / 2U
- ☒ Standards: Electrical safety - EN 60950, EMC - STN EN 55032



IC3000 rectifiers are used to power 24V, 48V, and 108V (110V) and 220VDC systems or as a battery charger. The input voltage of the rectifier is 3x 230V ~ 50Hz. For higher performance, units can be set in parallel. The output voltage can be set locally by a trimmer on the front panel or remotely from the PSMS4 (Power Supply Management System). IC3000 can also be used as a stand-alone power source without a connected battery.

Model specification:

- IC3000.T XXYY - T = 3 phase input, XX indicates the output voltage, YY indicates the output current.

The input is connected via a 5-wire front connector. The output terminals are also on the front panel. LEDs on the front panel indicate the presence of each phase, LED bar specifies the output load size in %. Potential free relay contact (rectifier OK/failure), output voltage control, temperature sensor (to control the charging voltage with -3mV/°C/cell), remote on/off feature are also connected to RJ12 connectors on the front panel.

The IC3000 is designed for 19" frame mounting. For parallel operation is recommended to connect each output (equally long) through a circuit breaker.

MODEL SPECIFICATIONS	IC3000.T 2875	IC3000.T 28125	IC3000.T 5545	IC3000.T 5590	IC3000.T 12420	IC3000.T 12440	IC3000.T 25007	IC3000.T 25015
Input voltage	3x230V~50Hz	3x230V~50Hz	3x230V~50Hz	3x230V~50Hz	3x230V~50Hz	3x230V~50Hz	3x230V~50Hz	3x230V~50Hz
Output voltage / current	27.6V(24÷29.3)/ 75A	27.6V(24÷29.3) / 125A	55.2V(48÷58.6) / 45A	55.2V(48÷58.6) / 90A	124.2V(108÷131.8) / 20A	124.2V(108÷131.8) / 40A	248.4V(220÷263.6)/ 7.5A	248.4V(220÷263.6)/ 15A
Output power	2.2kW	3.7kW	2.7kW	5.4kW	2.7kW	5.4kW	2.0kW	4.0kW
Dielectric strength input/output	4kV							
Operating temperature	-25°C - +50°C							
Over temperature protection	85°C							
Local signaling	LED							
Remote signaling	Presence of phase L1, L2, L3, presence of output voltage, converter failure, output power							
Parallel operation	Potential free relay contact Rectifier failure							
Overcurrent protection	Yes							
Mounting type	82A	138A	50A	99A	23A	46A	8.2A	16.5A
Dimensions W x H x D (mm)	19" / 2U							
Weight (kg)	436 x 88 x 374 mm	436 x 88 x 492 mm	436 x 88 x 374 mm	436 x 88 x 492 mm	436 x 88 x 374 mm	436 x 88 x 492 mm	436 x 88 x 374 mm	436 x 88 x 492 mm
Degree of protection	7.1kg	9kg	7kg	10kg	7.1kg	10kg	7.1kg	10kg
Part No.	IP20							
	IP.2341.735.14	IP.2341.735.23	IP.2341.735.16	IP.2341.735.21	IP.2341.735.18	IP.2341.735.22	IP.2341.735.20	IP.2341.735.24