IGBT SERIES

High-frequency

Ask for our FREE detailed manuals:
REF 123TA6868 - IGBT

500 x 440 x 900 mm

The IGBT 2011 is the ultimate Energic Plus® charger and it is the result of 40 years of experience in design, production and customization of chargers for the material handling industry. Based on HF-IGBT technology with hybrid power conversion system, this charger offers a unique combination of performances, flexibility and electrical efficiency. The output is multivoltage, with automatic battery recognition, and completely programmable.

The new digital control board is designed to support applications of any type, and a complete set of optional tools is available to expand the functionalities of the system (wireless battery identification modules, integrated data loggers with USB port, remote control systems).

General information IGBT

- **Completely automatic,** microprocessor-controlled battery charger.
- **High-frequency IGBT regulator.** Constant current, constant voltage operation, virtually zero output ripple.
- **High efficiency (> 90%)**
- **High power factor (PF > 0,85)** Power factor corrected version available (PF > 0,98)
- **User programmable charge curve,** based on IUIa system.
- **Multivoltage (12/96 V) and multicurrent (0-200 A) design.** One unit can charge batteries of any type/voltage/capacity.
- **Rugged construction,** for maximum reliability in heavy applications.
- **Digital display:**
  - Charging current (A)
  - Battery voltage (V/cell)
  - Capacity charged (Ah)
  - Time of charge (Hours-Minutes)
  - Error messages
- **Full electronic protection:**
  - Battery overvoltage
  - Battery undervoltage
  - Output fuse blown
  - Blackout of the main supply
  - Emergency timer
  - Thermal protection
  - Reverse polarity
- **Automatic equalization and maintenance** of the battery (programmable).
- **Automatic start** on battery connection and **automatic shutdown** on battery disconnection.
- **Automatic saving of the charge parameters** in case of blackout of the mains and automatic restart when the input is available.
- **Input voltage three-phase 220 V/380 V (± 15%), 50/60 Hz.** Other input voltages available on request.
- Battery voltages from 12 V to 96 V. Output currents from 40 A to 320 A
- **3 year warranty**
- **CE-certified.** Available: **CCSA US approved (UL+CSA)** version.
- EN50081 – 50082 - 55011
  DIN 41772 - 41774
  IEC 801/2 - 801/3 - 801/4 - 529

ENERGIC PLUS®
Brabantstraat 15 • 8790 Waregem • Belgium
T +32 56 43 42 11 • F +32 56 43 44 88 • info@energicplus.com • www.energicplus.com

IGBT SERIES

REF	Model	Voltage From 12 V to ..	Current From 0 A to ..	Max battery capacity
139TA2728	IGBT3	24 V	120 A	1050 Ah
140TA7501	IGBT4	24 V	200 A	1700 Ah
139TA2729	IGBT5	36 V	120 A	1050 Ah
140TA7502	IGBT6	36 V	200 A	1700 Ah
139TA2730	IGBT7	48 V	120 A	1050 Ah
139TA2731	IGBT11	48 V	200 A	1700 Ah
139TA2732	IGBT9	80 V	120 A	1050 Ah
139TA2733	IGBT13	80 V	200 A	1700 Ah
140TA7503	IGBT14	24 V	250 A	2125 Ah
140TA7504	IGBT15	36 V	250 A	2125 Ah
140TA7505	IGBT18	48 V	250 A	2125 Ah
140TA7506	IGBT19	80 V	250 A	2125 Ah
140TA7508	IGBT20	36 V	320 A	2720 Ah
140TA7509	IGBT30	48 V	320 A	2720 Ah
139TA2734	IGBT40	80 V	320 A	2550 Ah
140TA7510	IGBT45	48 V	400 A	3400 Ah
140TA7511	IGBT50	36 V	500 A	4250 Ah
140TA7512	IGBT55	48 V	500 A	4250 Ah