

TOSHIBA

Leading Innovation >>>



E1000 Series Energy Management System Integrated with SCiB™ Rechargeable Battery

- 25 kW Hybrid Power Inverter
50 kW Hybrid Power Inverter
(Photovoltaic Inverter+Energy Storage System)
- Space-saving Compact Footprint
67.1" (H) x 20" (W) x 37.6" (D) for Inverter
67.1" (H) x 20" (W) x 37.6" (D) for SCiB Energy Storage
- 18 kWh SCiB Energy Storage System
(Expandable to 54 kWh)
- Bi-directional Inverter
- 3-Phase 208/480 V
- Power Conditioning
- Frequency Regulation
- Grid-tie

E1000 SERIES

ENERGY MANAGEMENT SYSTEM

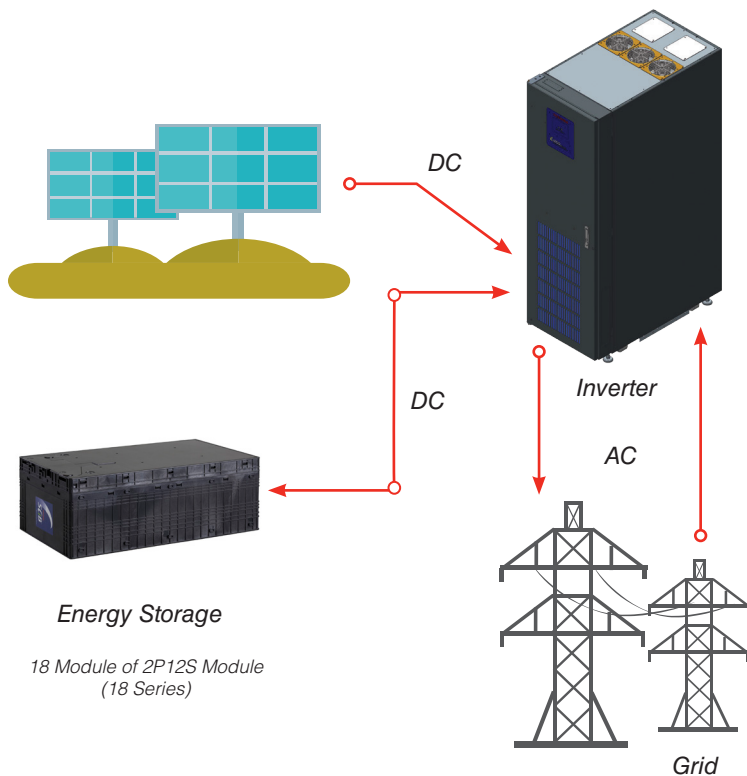


▶▶▶ E1000 SERIES



E1000 SPECIFICATIONS	25KW Inverter (208 V & 480 V)	50KW Inverter (480 V)	SCiB Energy Storage System
Max. AC Output Power	25 kW Bi-directional	50 kW Bi-directional	18 kWh
Max. DC Voltage	700 Vdc	700 Vdc	—
Max. AC Current	30 A @480 V, 69 A @ 208 V	60 A @480 V	—
AC Voltage	3-phase 208 V or 480 V	3-phase 480 V	—
MPPT Range	200 V - 600 V	200 V - 600 V	324 V - 583 V
DC Rated Current	77 A (324 Vdc)	85 A (583 Vdc)	77 A (324 Vdc)
DC Nominal Voltage	496 Vdc	496 Vdc	496 Vdc
Average Efficiency (Battery without Transformer)	96.8%	95.3%	—
Operating Temperature Range	0°C to 40°C	0°C to 40°C	0°C to 40°C
Compliance	UL9540, UL1973, UL1741, IEEE1547	UL9540, UL1973, UL1741, IEEE1547	UL1973, UL1942 (Cell)
Enclosure	NEMA-1	NEMA-1	NEMA-1
Cabinet Cooling	Active Cooling Fan	Active Cooling Fan	Active Cooling Fan
Monitoring/Control Interface	TCP/IP	TCP/IP	CAN Interface
Dimensions	67.1"(H) x 37.6"(D) x 20.1"(W)	67.1"(H) x 37.6"(D) x 20.1"(W)	67.1"(H) x 37.6"(D) x 20.1"(W)
Weight	1480 lbs	1480 lbs	1202 lbs

For the 50 kW EMS, Toshiba recommends to use (2) 18 kWh battery cabinets or more.
 PV will only function with batteries.
 Efficiency does not include the losses of the main input transformer.
 The E1000 includes grid isolation transformer.



- Long Life - 12,000 Cycles
- Rapid Charging - 6 Minutes (approx.)
- Wide Effective Range - State Of Charge
- Wide Temperature Range - -30°C to +50°C

TOSHIBA POWER ELECTRONICS DIVISION:

- Uninterruptible Power Systems
- Rechargeable Batteries
- Power Conditioning Systems
- Remote Monitoring

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