

SolarEdge Single Phase StorEdge™ Solutions for North America



SolarEdge StorEdge™ Solutions Benefits:

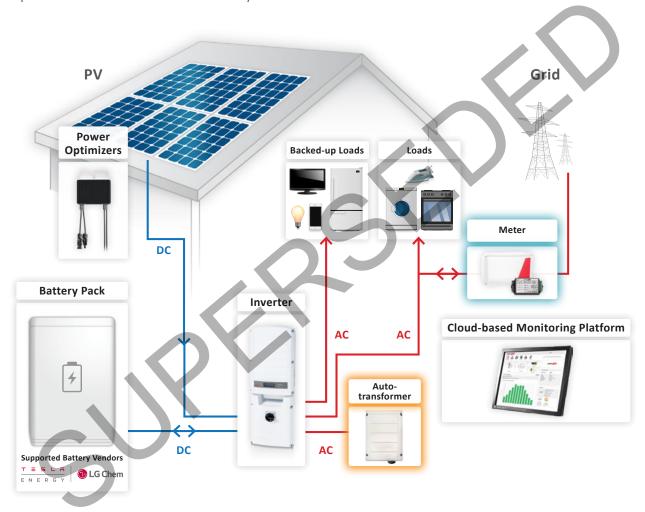
- More Energy DC-coupled architecture stores PV power directly to the battery without AC conversion losses
- Simple Design & Installation single inverter for PV, battery storage, grid-tied and backup applications
- Enhanced Safety no high voltage during installation, maintenance or firefighting
- Full Visibility monitor battery status, PV production, remaining backup power and self-consumption data



Solar Edge Single Phase Stor Edge™ Solutions for North America

StorEdge™ Features:

- Smart Energy Management export control, time-of-use shifting, maximized self-consumption, demand response and peak shaving capabilities
- Backup power automatically provides power to backed-up loads in the event of grid interruption
- All-in-one solution uses a single DC optimized phase inverter to manage and monitor both PV generation and energy storage
- Compatible with Tesla Powerwall Home Battery and the LG Chem RESU



SolarEdge StorEdge [™] Solutions for North America - Product Selector					
	Grid-tied solar, backup power and smart energy management	Grid-tied solar and backup power	Grid-tied solar and smart energy management		
Single Phase StorEdge™ Inverter	✓	✓	✓		
Auto-transformer	✓	✓			
SolarEdge Electricity Meter	✓		✓		
Battery	✓	✓	✓		



SolarEdge Single Phase StorEdge Inverter

for North America SE7600A-US(1)

- Single inverter for PV, grid-tied storage and backup power
- Includes the hardware required to provide automatic backup power to backed-up loads in case of grid interruption
- Includes all interfaces needed for battery connection

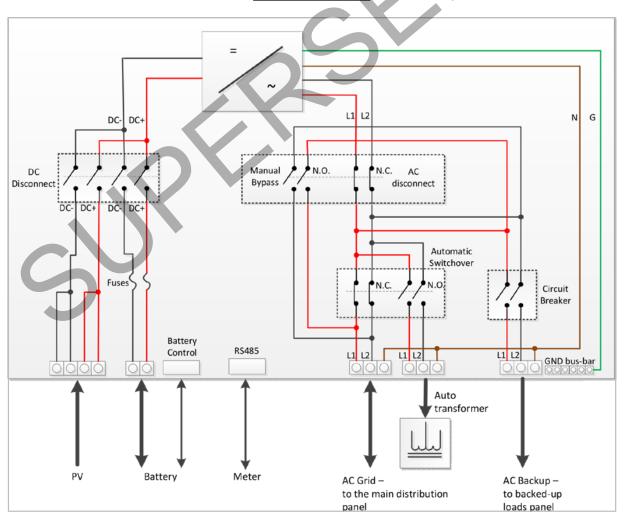
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⁽¹⁾ These specifications apply to inverters with part numbers SE7600A-USS0XXXXX and connection unit model number BCU-1PH-USS (2) For other regional settings please contact SolarEdge Support (3) Not designed for standalone applications and requires AC for commissioning (4) The rated AC power output is the minimum between S000VA and the battery continuous peak power (3) A higher current source may be used; the inverter will limit its input current to the values stated (6) For two batteries for double power contact SolarEdge technical support (7) Revenue grade inverter P/N: SE7600A-USS02NNG2



SE7600A-USS STANDARD COMPLIANCE					
Grid Connection Standards	IEEE1547, Rule 21, Rule 14				
Emissions	FCC part15 class B				
INSTALLATION SPECIFICATIONS					
AC Output (Loads/Grid) conduit size / AWG range	1" / 14-6 AWG				
AC Output (Backup) conduit size / AWG range	0.75-1" knockouts / 14-6 AWG				
AC Input (Auto-transformer) conduit size / AWG range	0.75-1" / 14-6 AWG				
DC Input (PV) conduit size / # of Strings / AWG range	0.75" / 1-2 Strings 14-8 AWG				
DC Input (Battery) conduit size / AWG range	0.75" / 16-10 AWG				
Dimensions with Connection Unit (HxWxD)	37 x 12.5 x 7.2 / 940 x 315 x 184	in / mm			
Weight with Connection Unit	58.5 / 26.5	lb/kg			
Cooling	Natural convection and internal fan (user replaceable	Natural convection and internal fan (user replaceable)			
Noise	<50	dBA			
Min - Max Operating Temperature	-13 to +140 / -25 to +60	°F/°C			
Protection Rating	NEMA 3R				

Inverter Interface





SEAUTO-TX-5000

	SEAUTO-TX-5000	
ELECTRICAL RATINGS		
Rated Power - Continuous	5000	
Rated Power - Peak	7600 for 10sec	
Output Voltage	120/240V Split Phase	
Max Continuous Output Current per Phase @120V	25	A
Split Phase Imbalance (@Rated Power)	Yes, up to 25A difference between phases	
Thermal Protection	Yes	
INSTALLATION SPECIFICATIONS		
AC Output conduit size / AWG range	0.75" / 14-6 AWG	
Dimensions (HxWxD)	6.7 x 7.9 x 5.5 / 170 x 200 x 140	in / mm
Weight	29.7 / 13.5	
Min - Max Operating Temperature	-13 to +140 / -25 to +60	
Protection Rating	NEMA 3R	
Installation	Wall mounted	





SolarEdge Electricity Meter for North America

SF-MTR240-0-000-S2

For meter specifications refer to: https://www.solaredge.com/sites/default/files/se_electricity_meter_na.pdf



