



# EnerSalvis Series

## Energy Storage Inverter

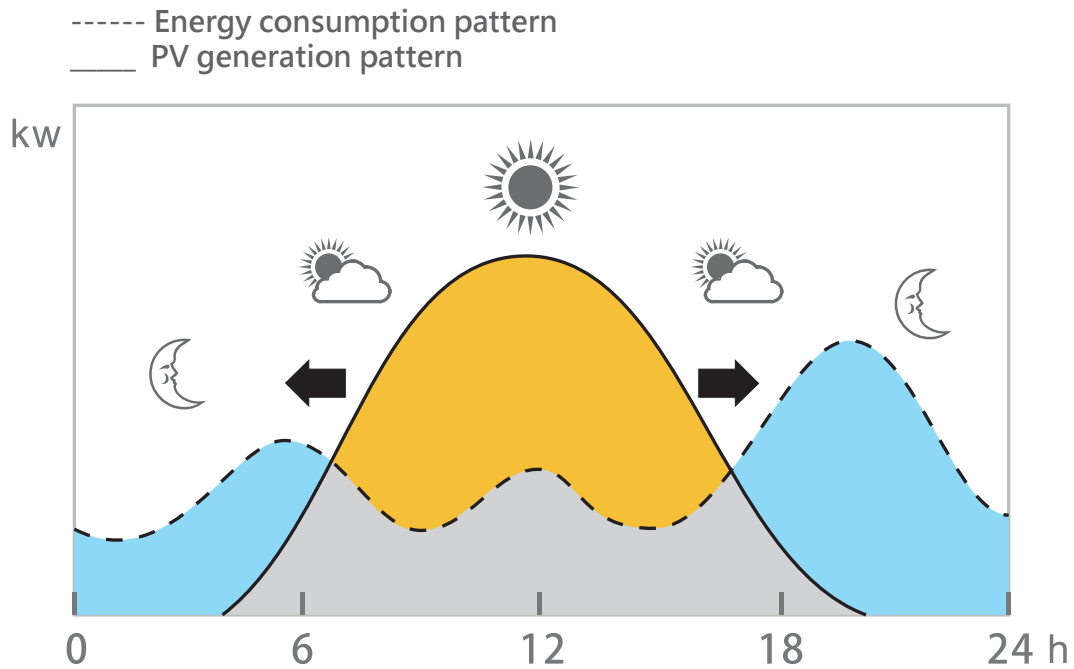
### EN3 10K/20K/30K/40K/60K/80K

---

- 3 Level PWM Technology
- High Efficiency, On-line Mode Efficiency 95%
- Output power factor 1
- Low Input harmonic, THDi% <3%
- Power Scalable and Parallel Redundancy
- UPS power
- Common Battery Used for Parallel Redundant System
- Compatible to mains voltage or generator power
- Hot Swappable Battery Function
- Smart battery charger design for optimized battery performance
- Advance DSP Control Technology
- Wide Input AC Voltage Range
- LCD Display
- Smart Fan Operation
- Cold start function
- Overload and short circuit protection
- Auto restart while AC is recovering
- Optional Remote Control Panel available

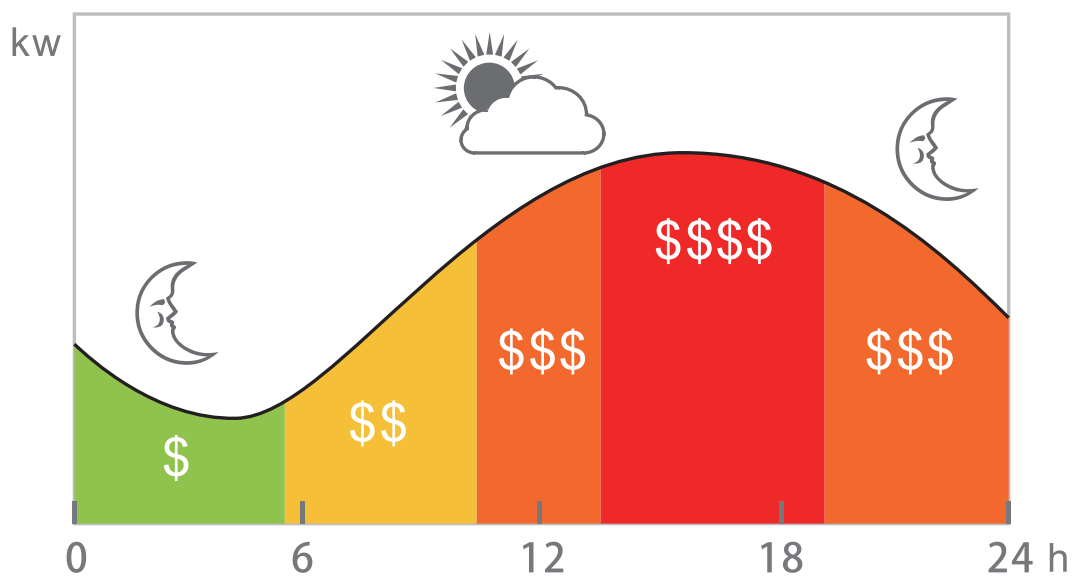
# Energy Storage System

## Energy Self-Consumption



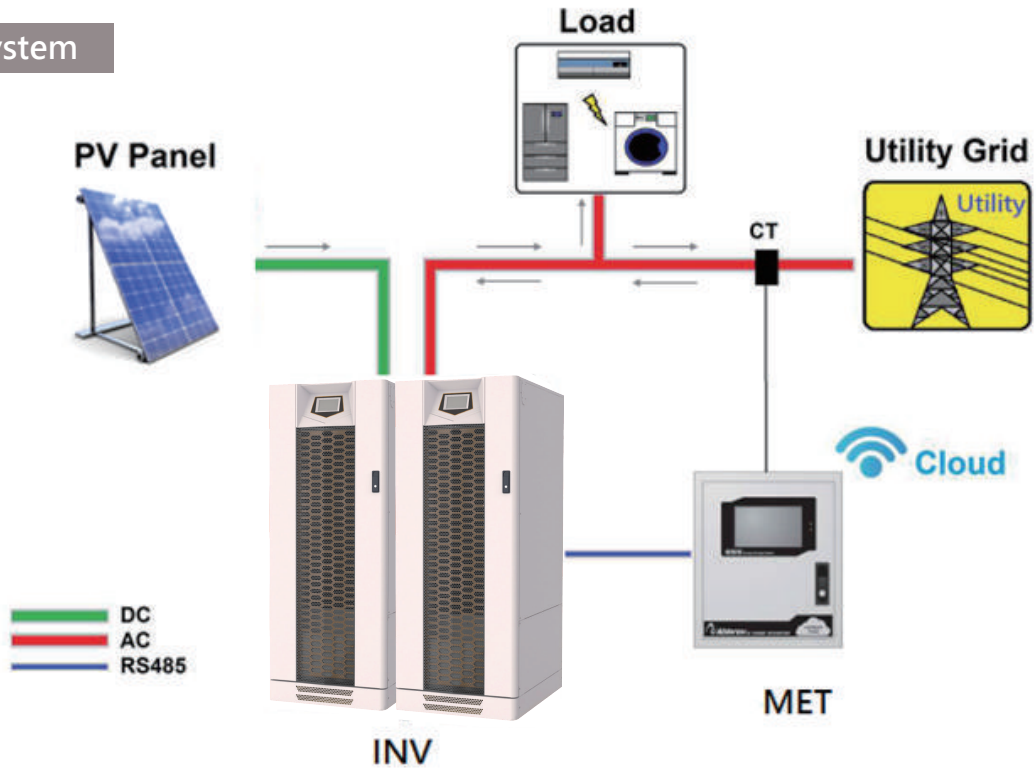
- Day: Charge and store energy generated by PV panel.
- Night: Consume the stored energy for use.

## Peak Hours Shaving

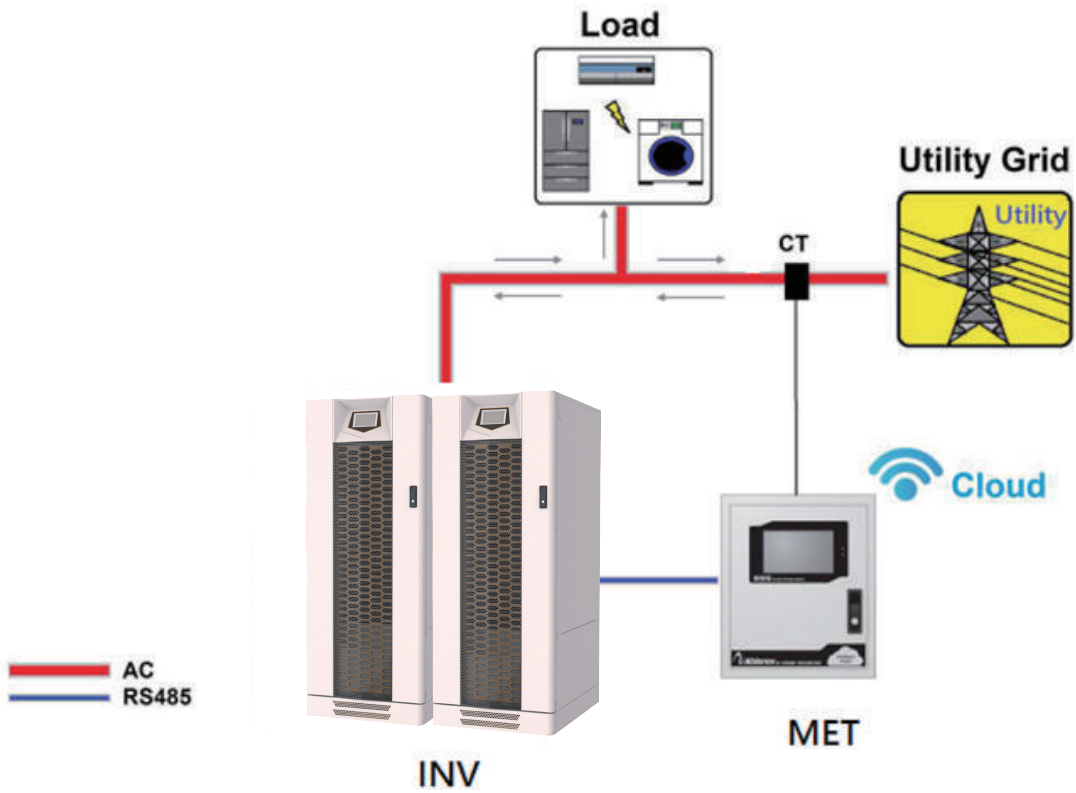


- Off-Peak Rate - Charge the battery pack during electricity off-peak rate hours.
- Peak Rate - Use the electricity from the battery pack during electricity peak rate hours.

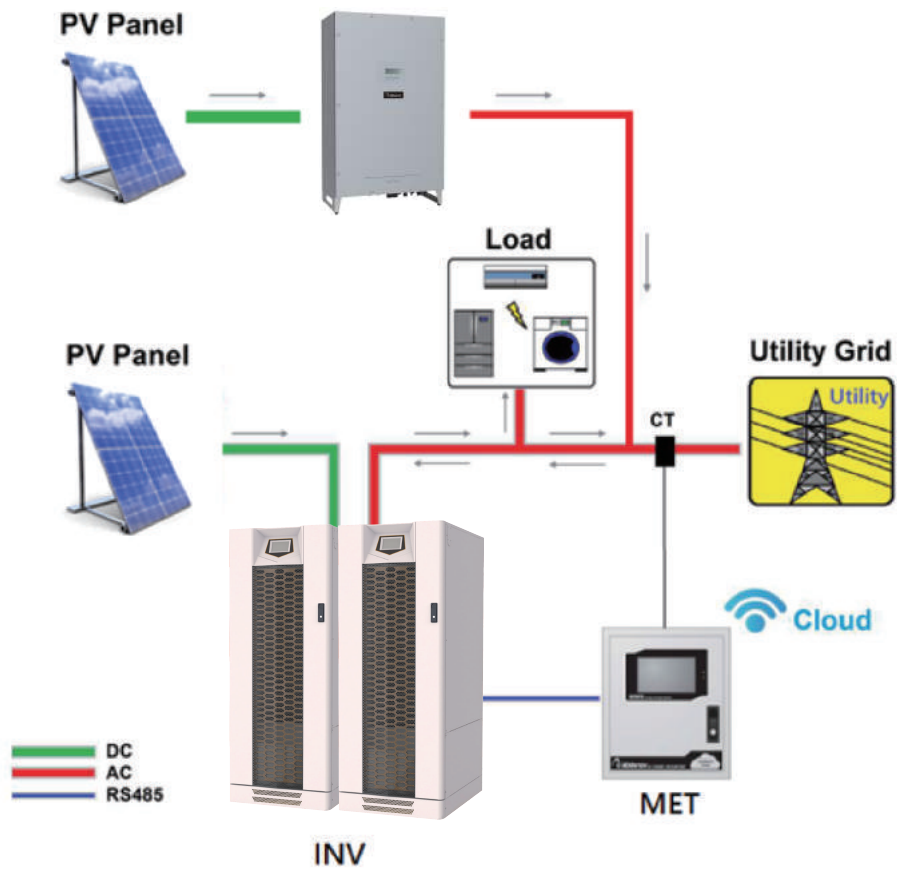
# ESS System



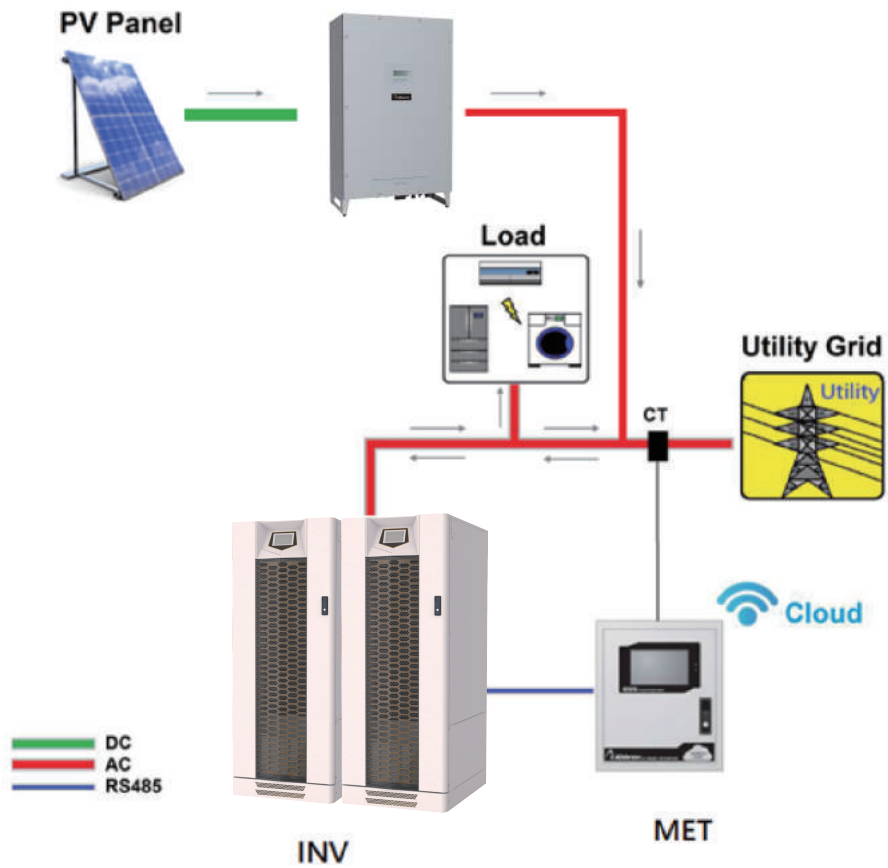
[Self-Consumption of Solar PV Power]



[Energy utilization without Solar PV Power]



[Integration with new and existing On Grid PV System]



[Integration with existing On Grid PV System]

# Energy Storage Inverter

Model	Item	EN3-10K	EN3-20K	EN3-30K	EN3-40K	EN3-60K	EN3-80K
Capacity	VA	10KVA	20KVA	30KVA	40KVA	60KVA	80KVA
Output	Voltage	380/400/415V 3 Phase + N					
	Power Factor	1.0					
	Frequency	45~65Hz					
	Voltage Harmonic Distortion	<3%					
Battery	Voltage	350Vdc~550Vdc					
	Max. Charging Current	10A	21A	31A	42A	63A	84A
	Common Battery for Parallel Configuration	YES					
	Internal Batteries	Available for housing 9Ah/12Vdc 40pcs x 2 strings				Not Available	
Environment	Operation Temperature	0~40°C					
	Operation Humidity	0~95% (w/o condensation)					
	Tested to standards	LVD: EN62040-1 EMC requirements: EN62040-2					
	Mark	CE					
	Noise (at 1 meter)	<52dBA		<55dBA		<60dBA	

Efficiency	Max. Efficiency	94%	95%
	Parallel	Up to 6 units	
General	Dimensions (W x D x H) mm	440 x 810 x 1390 with Wheel	600 x 827 x 1253 (w/o Wheel) 600 x 827 x 1300 (with Wheel)
	Protection Grade	IP20	
	Display and MMI	4.3" Colorful LCD Touch Screen	
	Built-in Communication Port	RS232, USB, EPO, Dry Contact	
	Optional Communication	2 Communication Slots for SNMP Card, RS-485 Modbus Card, Dry Contact Card	