

[SOLAR-VALUE]

3KW PV-Diesel-Storage Integrated Off-grid System

Introduction

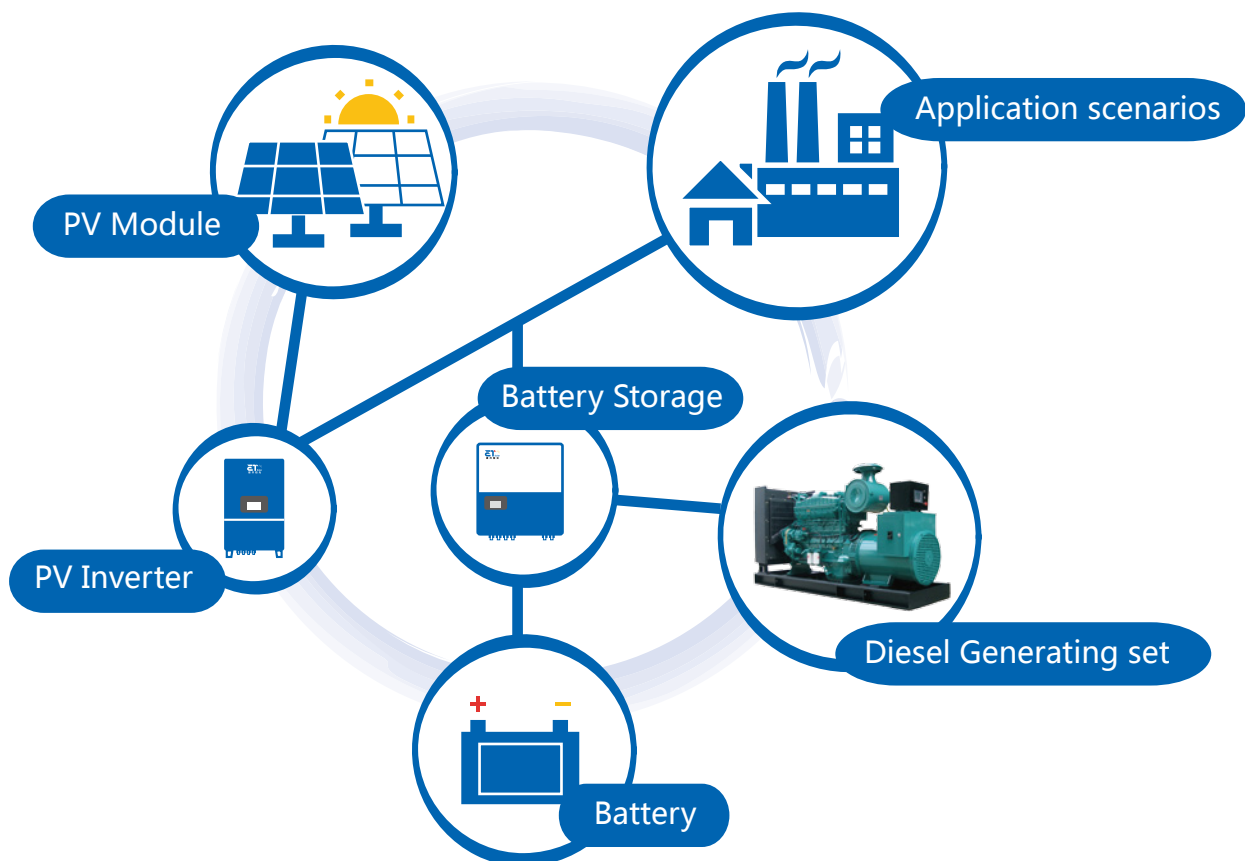
The system is generated mainly by photovoltaic power generation, diesel power generation as supplement . It is suitable for small to medium-sized outdoor activities and household yard electricity using. The system is designed to be portable, low maintenance, noise free, and low fuel consumption.

Application scenarios

- ◆ Utility failure areas
- ◆ Sunny areas
- ◆ Oil price sensitive users
- ◆ Areas with environmental protection requirements containing noise

Characters

- ◆ Technology of high efficient PV module
- ◆ A convenient inverter can be installed completely by hand
- ◆ Modular design, excellent expansibility
- ◆ EMS(Energy Management System)&Remote monitoring system



Parameters

	Name	Specifications	Unit	Number	
System configuration	PV Module	ET-P672330WW	pieces	20	
	Charge Controller	48V100A , MPPT , Lithium Battery Charge	unit	1	
	Off-grid Inverter	48V4000W	unit	1	
	Diesel Generator	3000W , 220V50Hz	unit	1	
	Lithium Battery Pack	SDA-10-48400	set	1	
	Outdoor Cabinet	19 inch Universal Cabinet	unit	1	
Support	Guide Rail	L=20400,41*41*2.5,Hot-dip Galvanized Channel Steel	pieces	4	
	Stringer	L=1300,41*41*2.5,Hot-dip Galvanized Channel Steel	pieces	22	
	Outer Hexagon Bolt	Hot-galvanizing Passivating Class 8.8,M10*30	set	44	
	Column	L=250,41*41*2.5,Hot-dip Galvanized Channel Steel	pieces	22	
	Beam-column Connection Triangulation	Hot Galvanizing,41*41 matching	pieces	44	
	Outer Hexagon Bolt	Hot-galvanizing Passivating Class 8.8,M12*70	set	44	
	Outer Hexagon Bolt	Hot-galvanizing Passivating Class 8.8,M10*30	set	44	
	Guide Rail Connection	Hot Galvanizing,41*41 matching	pieces	12	
	Inside Hexagon Bolt	Hot-galvanizing Passivating Class 8.8,M10*30	set	48	
	dragging	L=2300,41*41*2.5,Hot-dip Galvanized Channel Steel	pieces	2	
	Outer Hexagon Bolt	Hot-galvanizing Passivating Class 8.8,M10*30	set	4	
	Blank Holder	Aluminium Alloy	pieces	8	
	Middle Blank Holder	Aluminium Alloy	pieces	36	
	Inside Hexagon Bolt	Stainless Steel,M8*40	set	44	
	Concrete Counterweight	C20,300*300*300	pieces	44	
	Accessory	PV Cable	PV1-F,4mm2	m	200
		PV Connector	MC4 compatible	pair	20
Ground Lead		BVR-4mm2,L=10cm	pieces	20	
Cross Bolt		Stainless Steel,M4*20	set	20	
DC Cable		RVVR,25mm2,Blue	m	20	
		RVVR,25mm2,Red	m	20	
AC Cable		ZRC-YJV-3*1.5mm2	m	20	
RV SV		25 square	pieces	8	

Diesel&PV Complementary System Frame Diagram

