

## VALVE REGULATED RECHARGEABLE BATTERY

State-of-the-art technology

### OPzV Series:

#### SUMMARY:

OPzV Series battery utilizes GEL technology and tubular positive plates, it seals the chemical compounds in polyester tubes(gauntlets) in place keeping them on the battery plates's surface, which dramatically decreases the corrosion or shedding of the plates and significantly prolongs the service life of the battery, this enables it can endure extremely harsh conditions.

#### FEATURES:

Sealed & Maintenance-free  
Safety Valve for Explosion-proof  
Wide operation temperature  
Super excellent self-recovery performance  
Super long cyclic life

#### CONSTRUCTION:

Plates: Tubular Plates with die cast alloy grid  
Separator: Special microporous PVC-SiO<sub>2</sub> Separator  
Container: ABS  
Electrolyte: Diluted Sulphuric Acid, immobilized as GEL  
Vent Plug: One way pressure release, with flame arrester

#### ELECTRICAL PARAMETERS:

Float charge voltage(25 °C): 2.25-2.30V  
Boost charge voltage(25 °C): 2.37-2.40V  
Temperature compensation: -3mV/°C/cell(float), -4mV/°C/cell(cyclic)  
Max. charging current: 0.2CA

#### CONFORM TO

BS6290-4  
IEC60896-21/22  
IEC61427  
IEC60156

#### APPLICATION:

Off-grid Solar/Wind System  
Uninterruptable Power Supply(UPS)  
Electric Power System (EPS)  
Emergency backup power supply  
Emergency lighting  
Data Center  
Oil and Gas  
Cable Television  
Medical Equipment  
Railway signal  
Aircraft signal  
Alarm and Security System  
Electronic equipment  
Communication Power Supply  
Auto control system



## Capacity Range:45-3000Ah

### General Specifications

Model	Voltage	Capacity	Dimension(mm)				Terminal	Weight ±4%(Kg)
	(V)	(AH)	Length	Width	Height	Total Height		
OPzV12-45	12	45	260	169	210	235	T15/T11	18
OPzV12-60	12	60	260	169	210	235	T15/T11	23
OPzV12-80	12	80	328	172	222	222	T5/T12	30
OPzV12-100	12	100	407	177	225	225	T5/T12	36
OPzV12-120	12	120	483	170	240	240	T5/T12	45.9
OPzV12-140	12	140	530	209	214	219	T16/T12	53.5
OPzV12-160	12	160	530	209	214	219	T16/T12	57
OPzV12-180	12	180	522	240	219	240	T16/T10	65
OPzV12-200	12	200	520	268	220	225	T14	73
OPzV2-200	2	200	103	206	355	390	T10	16.8
OPzV2-250	2	250	124	206	355	390	T10	20.5
OPzV2-300	2	300	145	206	355	390	T10	24.5
OPzV2-350	2	350	124	206	471	506	T10	27.5
OPzV2-420	2	420	145	206	471	506	T10	33
OPzV2-490	2	490	166	206	471	506	T10	38.5
OPzV2-600	2	600	145	206	646	681	T10	46.5
OPzV2-770	2	770	210	254	471	506	T10	56
OPzV2-800	2	800	191	210	646	681	T10	63
OPzV2-1000	2	1000	233	210	646	681	T10	77
OPzV2-1200	2	1200	275	210	646	681	T10	92
OPzV2-1500	2	1500	275	210	796	831	T10	110
OPzV2-2000	2	2000	399	214	772	807	T10	150
OPzV2-2500	2	2500	487	212	772	807	T10	190
OPzV2-3000	2	3000	576	212	772	807	T10	225