



VRLA

Sacred Sun VRLA batteries use the latest innovations, high purity raw materials and many patented technologies that ensure high quality and excellent performance with +99% gas recombination efficiency. All batteries are sealed, non–spillable and maintenance free. They are safe for transportation and 100% recyclable.

VRLA AGM

"Sacred Sun high reliability VRLA AGM battery range is available both in front and top terminals. The selection is optimal for Standby use in various environments from Telecommunication to UPS and Industrial Applications. Sacred Sun’ s special technology, High Temperature Battery, is designed for high ambient temperatures to prolong service life and reduce needs for cooling. "

VRLA GEL

"Sacred Sun VRLA GEL batteries utilize advanced battery manufacturing technologies. The range is available both in tubular and flat plates and designed to meet highest reliability requirements both in Standby and Cyclic use. The flat plate models are available also in front terminals. Sacred Sun GEL technology has good cyclic and high–low temperature performance, special electrolyte design and good charge acceptance ability. It can be used in high–low temperature environment with poor grid condition as well in different Renewable Energy applications. "

LEAD CARBON

Sacred Sun Lead Carbon battery is the new generation Valve Regulated Lead Acid battery with ultra–long deep cycle life. Advanced lead carbon and manufacturing technologies ensure superior cell performance uniformity and reliability. It is excellent at Energy Storage and Partial State of Charge (PSOC) conditions. Its modular design and compact structure saves space and enables easy installation.

TPPL

Sacred Sun High Power and High Energy long life batteries are used in UPS and Telecommunication applications and are optimal for fast charge. They are produced with fully automatic Con–Casting–Punch–Paste (CCPP) plate manufacturing, reliable assembly and intelligent formation technology. Pure lead grid due to its enhanced corrosion resistance ensures long float service life at elevated temperatures. Thin plate design with optimized positive and negative plate active material provides large chemical reaction surface area, high power density and low resistance cycle.

Powercan

Sacred Sun Powercan batteries for Motive Power are designed according to DIN and BS standards. They are produced using advanced spine caster and acid circulation system ensuring high quality and good cyclic performance. Sacred Sun Powercan series is optimal for E–Vehicles, Forklifts and Golf Cars.

lithium–ion

Sacred Sun SmartPower 48V Lithium–Ion battery provides maintenance free energy storage in compact volume. Scalable 19” modules from 10 to 800 Ah are easy and convenient to install. SmartPower combines high operational reliability with outstanding life time under the most difficult environmental conditions. Its integrated BMS supports RS232/RS485 port connections and ASCII, Modbus RTU and SNMP protocols for remote communication.



SHANDONG SACRED SUN POWER SOURCES CO.,LTD

Add:No.1 Shengyang Road,Qufu 273100 China

Tel:+86–537–4422313

Fax:+86–537–4411980

Website:www.sacredsun.com

E–mail:sales@sacredsun.cn

















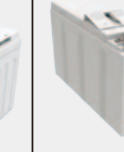

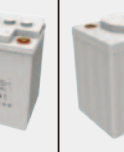


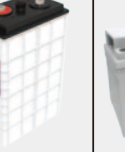







SHANDONG SACRED SUN POWER SOURCES CO.,LTD



BATTERY RANGE



SACRED SUN Battery Specifications vs. Applications			AGM												GEL						Lead Carbon		TPPL		Powercan			Lithium-ion	
			SP	SPG	HRL	GFMG	GFMG-F	UPS-FT	FT	FTA-HT	FHL	GFM-C	GFM-H	GFM-HES	GFM-HTE	SAJ	SDC	FTJ	FMJ	GFMJ	OPzV	FCP	DCS	HPPL	HEPL	DM	PzS	PzB	
																													
Applications	Standby	Telecommunication	●			●	●	●	●	●	●	●	●	●			●	●	●	●	●	●		●				●	
		UPS	●	●	●	●	●	●	●	●	●			●			●	●	●	●			●	●					
		Data Center		●	●	●	●	●	●		●	●		●			●	●	●	●			●	●					
		HVDC		●	●	●	●	●									●	●	●	●			●	●					
		Emergency	●	●	●	●	●	●			●	●		●				●	●	●			●	●					
		Security, Alarms	●	●				●						●				●	●	●			●	●					
		Medical	●					●															●						
		Universal	●	●	●			●			●	●	●	●		●							●						
		Rail Transit	●			●	●				●		●	●			●	●	●	●									
	Renewable Energy	MW Large Scale ESS											●	●					●	●	●	●						●	
		Industrial & Commercial ESS											●	●				●	●	●	●	●		●				●	
		Hybrid Power Supply BTS								●			●	●				●	●	●	●	●	●	●				●	
		Household energy storage											●	●	●	●		●	●	●	●	●	●					●	
		Solar Street Light	●										●	●	●	●		●	●	●	●	●	●						
	Motive Powe	Forklift																								●	●		
		EV																							●				
		Golf Cars																							●				
Specifications	Type of Plates		Flat	Flat	Flat	Flat	Flat	Flat	Flat	Flat	Flat	Flat	Flat	Flat	Flat	Flat	Flat	Flat	Flat	Tubular	Flat	Flat	Flat	Flat	Flat	Tubular	Tubular		
	Technology		VRLA AGM	VRLA AGM	VRLA AGM	VRLA AGM	VRLA AGM	VRLA AGM	VRLA AGM	VRLA AGM	VRLA AGM	VRLA AGM	VRLA AGM	VRLA AGM	VRLA GEL	VRLA GEL	VRLA GEL	VRLA GEL	VRLA GEL	VRLA GEL	VRLA Lead Carbon	VRLA Lead Carbon	Thin plate pure lead	Thin plate pure lead	VRLA AGM	VRLA AGM	VRLA AGM	LFP	
	Container Material	Standard	ABS	ABS	ABS	ABS	ABS	ABS	ABS UL94-V0	ABS UL94-V0	ABS	ABS	ABS	ABS	ABS UL94-V0	ABS	ABS	ABS	ABS	ABS	ABS	PP	ABS	PC-ABS UL94-V0	PC-ABS UL94-V0	ABS	PP	PP	Iron
		Optional	UL94-V0	UL94-V0	UL94-V0	UL94-V0	UL94-V0	UL94-V0	UL94-V0		UL94-V0	UL94-V0	UL94-V0		UL94-V0	UL94-V0	UL94-V0	UL94-V0	UL94-V0	UL94-V0		UL94-V0			UL94-V0				
	Installation Method	Recommended	Vertical	Vertical	Vertical	Vertical	Horizontal	Vertical	Vertical	Vertical	Horizontal	Vertical	Horizontal	Horizontal	Horizontal	Vertical	Vertical	Vertical	Vertical	Vertical	Vertical	Horizontal	Horizontal	Vertical	Vertical	Vertical	Vertical	Vertical	
		Optional	Horizontal	Horizontal		Horizontal	Vertical					Horizontal			Vertical	Vertical	Horizontal				Horizontal								
	Monoblocs		●	●	●	●		●	●	●	●				●	●	●	●	●	●		●	●	●	●			●	
	2 Volts Cell					●	●		●		●	●	●	●					●	●	●					●	●		
	Capacity Range(Ah)		6.5-245C ₂₀	175W-870W (42-250C ₁₀)	300W-910W	105-560C ₁₀	200-800C ₁₀	110-200C ₁₀	55-200C ₁₀	100-200C ₁₀	100-170C ₁₀	38-3000C ₁₀	1000-2000C ₁₀	200-1000C ₁₀	200-1000C ₁₀	38-200C ₂₀	40-235C ₁₀	100-150C ₂₀	65-200C ₁₀	33-1200C ₁₀	50-3000C ₁₀	500/1000 C ₁₀	50/100 C ₁₀	300W-731W	88-210 C ₁₀	70-285C ₅	160-1550C ₅	110-1050C ₅	10-200
	Models		18	17	17	12	5	3	13	4	3	18	3	7	7	8	9	5	6	16	22	2	2	12	12	10	54	63	8
	Operation temperature range		-15 ~ 45℃	-15 ~ 45℃	-15 ~ 50℃	-15 ~ 45℃	-15 ~ 45℃	-15 ~ 50℃	-15 ~ 50℃	-20 ~ 60℃	-20 ~ 60℃	-15 ~ 45℃	-15 ~ 45℃	-15 ~ 45℃	-20 ~ 65℃	-15 ~ 45℃	-15 ~ 45℃	-20 ~ 55℃	-20 ~ 55℃	-20 ~ 55℃	-25 ~ 60℃	0 ~ 40℃	-20 ~ 45℃	-40 ~ 60℃	-40 ~ 60℃	-15 ~ 45℃	-15 ~ 45℃	-15 ~ 45℃	-20 ~ 60℃
	Eurobat Classification		General Purpose	Long life	Very long life	Long life	Long life	Long life	Long life	Very long life	Long life	Long life	Very Long life	Very Long life	Very Long life	Long life	Long life	Long life	Long life	Very Long life	Very Long life	Very Long life	Long life	Very Long life	Very Long life	General Purpose	Long life	Long life	
Design Life(years,25℃)		>35Ah: 10 ≤ 35Ah: 5	12	15	12	12	12	12	10 (35℃)	12	2V:15 12V:10	18	15	10 (35℃)	10	10	12	10	2V:18 12V:12	2V:20 6V/12V:15	15	15	15	15	700 cycles according to DIN60254-1	1500 cycles according to DIN60254-1	1500 cycles according to DIN60254-1	20	