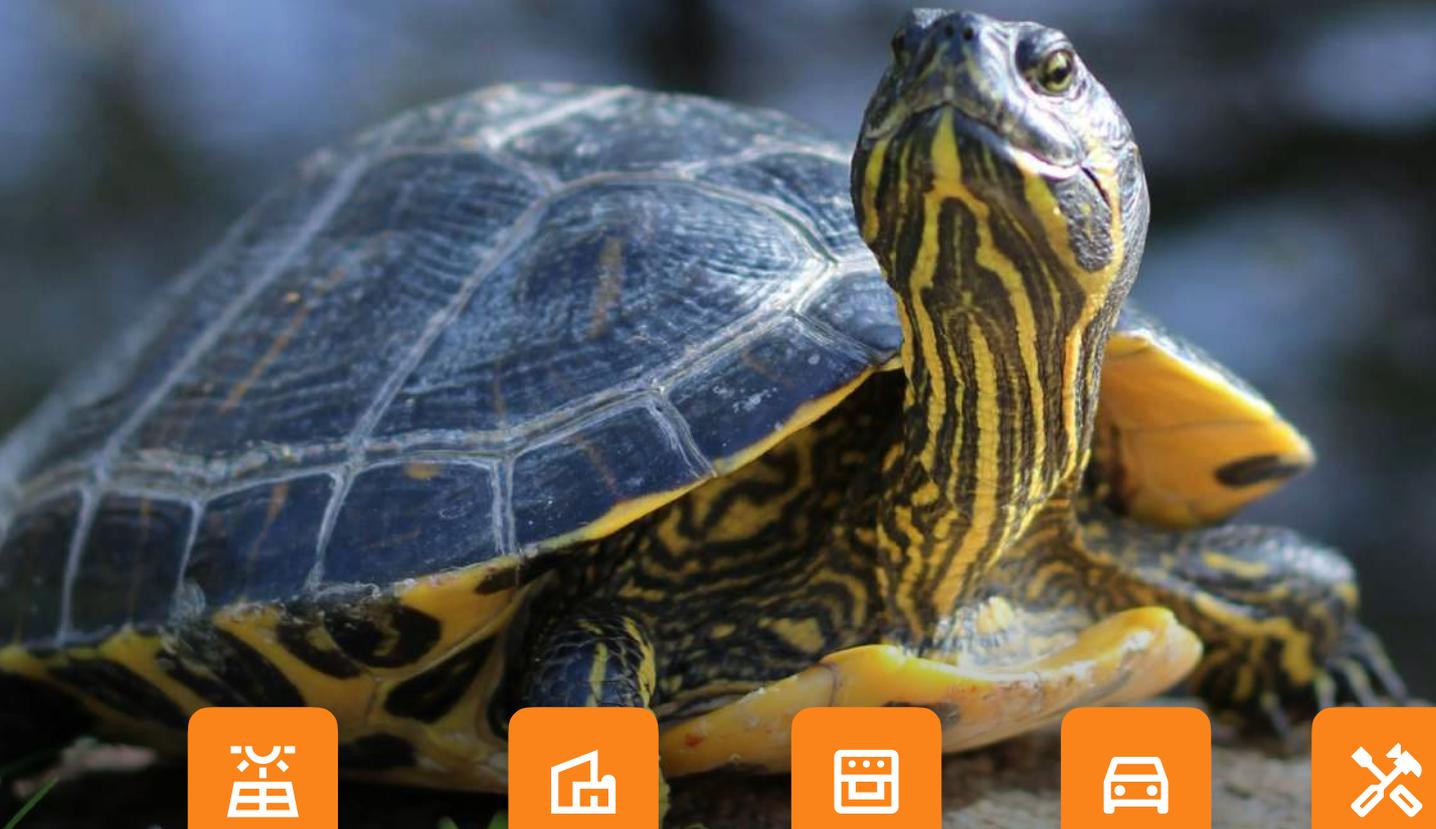




Revolutionize Power Needs with **Sealed Maintenance-Free VRLA Batteries**



Solar/Inverter
Battery



PWM Inverter



MPPT PCU



Automotive
Battery



AGM
Battery

Today's global businesses demand a 24x7 uptime environment making Uninterrupted Power Supplies (UPS) an integral part of the infrastructure. Batteries are the single most critical element of UPS system.

ARM Power takes pride in positioning itself as the industry leader in manufacturing reliable, safe, high-quality Sealed Maintenance Free batteries for UPS applications.

ARM Power has a state-of-the-art manufacturing facility with high quality standards which is accredited with ISO 14001, ISO 9001-2015 and UK Global Certifications.

Applications

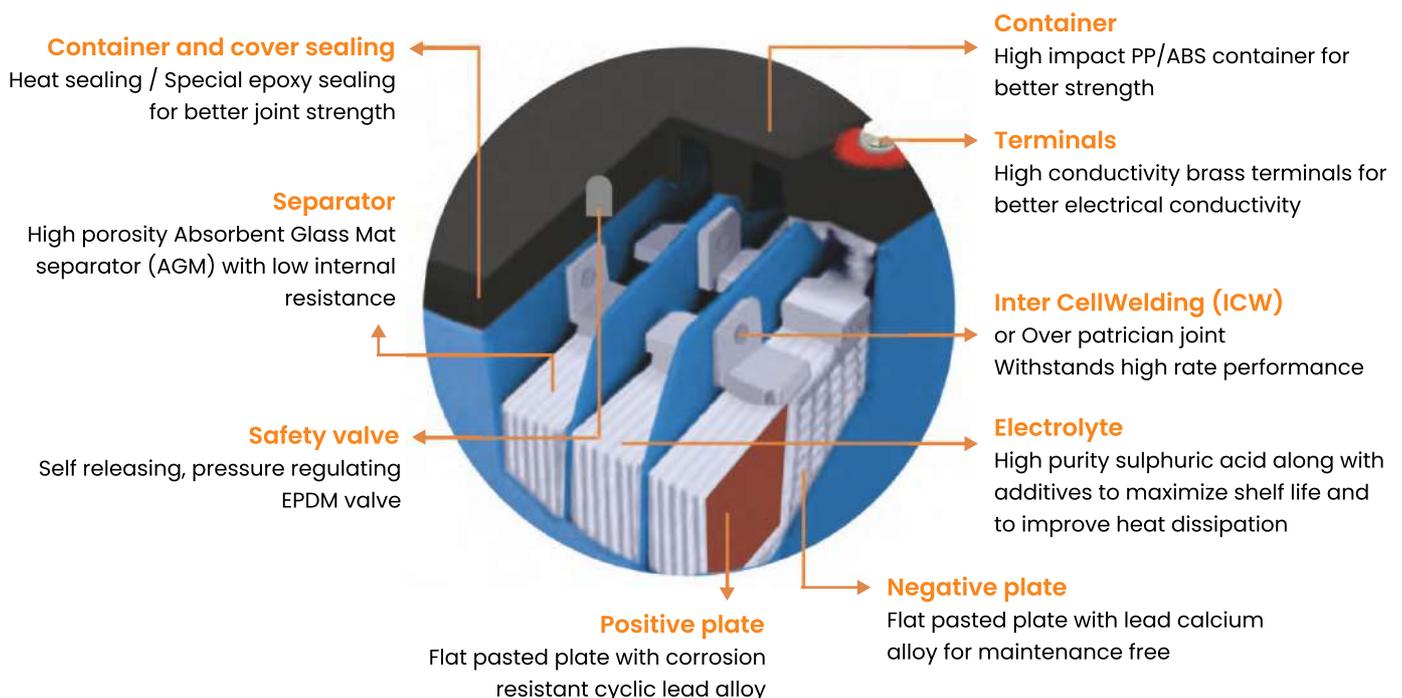
-  **UPS Systems**
Banking, Financial Services & Insurance IT/ITES
-  **Power Back up**
CFL/LED Lamps Railway Emergency Light Solar Power Equipment Medical Instruments Fire & Security Alarm Systems
-  **Telecom**
Optical Network Terminal Telecom Equipment

Feature benefit snapshot

- ✓ **Cyclic grid alloy for positive plate**
Higher cycle life
- ✓ **Radial grids**
Low internal resistance Quick recharge High discharge performance
- ✓ **AGM Separator**
Greater compression Longer life
- ✓ **Copper alloy screw type terminals**
Better electrical conductivity Absolute positive contact Zero wear & tear
- ✓ **Deep discharge capability**
Withstands frequent & long power failures
- ✓ **Low self discharge**
Longer shelf life
- ✓ **Product conformance**
JIS C 8702 -1

AGM is the first choice for IT, Banking, Educational institutions & Industries

Design and construction features



Charge settings at 27°C



Float Application

Boost 13.8V Float 13.5V

Cyclic Application

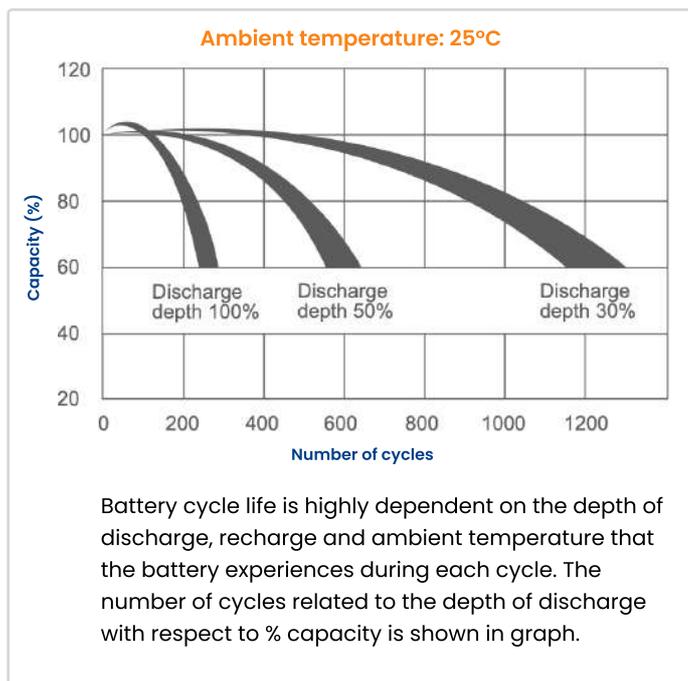
Boost 14.1V Float 13.7V

Current limit

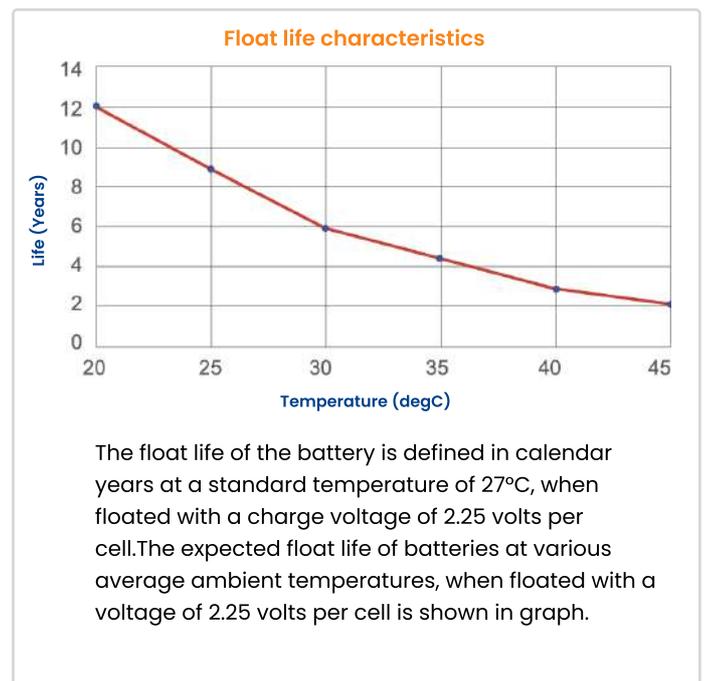
Minimum: 10% of Rated capacity
Maximum: 30% of Rated capacity

Temperature compensation for charge voltage
compensation of 18mV to be reduced for every
1°C rise in temperature and vice versa.

Cycle life

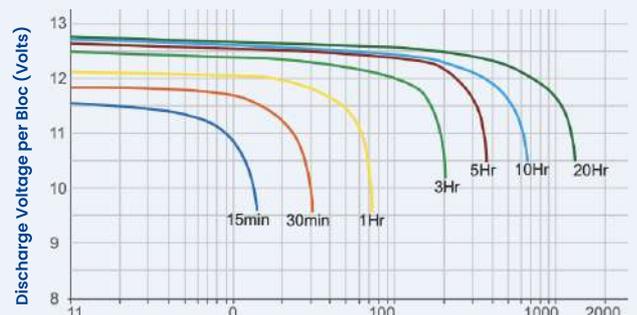


Design float life



Discharge characteristics

The curves in the figure illustrate the typical discharge characteristics at an ambient temperature of 27°C. The C20 expresses the nominal capacity of the battery at 20 hr discharge rate.



Product Specifications

Model	Capacity at 20 Hr Rate	Dimensions			Weight (KG)
		Length	Width	Height	
OPTI 7	7	151	65	100	2.2
OPTI 12	12	151	98	100	3.8
OPTI 18	18	181	76	171	6.0
OPTI 26	26	166	125	175	9.0
OPTI 42	42	198	168	174	13.5
OPTI 65	65	350	168	176	20.0
OPTI 75	75	350	168	176	23.5
OPTI 85	85	410	175	225	26.5
OPTI 100	100	410	175	225	30.0
OPTI 120	120	410	175	225	33.0
OPTI 130	130	407	173	240	36.5
OPTI 150	150	525	225	225	47.0
OPTI 200	200	525	225	225	56.0
OPTI 200 D	200	535	225	240	60.5

Constant Power Discharge Performance at 27°C

Watts per Block to end 10.5V							
10 min	15 min	30 min	1 Hour	3 Hour	5 Hour	10 Hour	20 Hour
161	130	80	51	21.3	14.5	7.9	4.24
277	222	138	87	36.5	24.9	13.5	7.3
415	333	207	131	55	37.3	20.2	10.9
674	512	310	193	79	54	29.2	15.7
922	741	482	305	128	87	47.2	25.4
1441	1157	747	471	197	135	73	39.4
1730	1389	861	544	228	156	84	45.4
1692	1381	916	573	236	161	93	51
1991	1625	1078	674	278	189	110	61
2389	1950	1294	809	333	227	132	73
2489	2031	1347	876	361	246	142	79
2987	2438	1617	1011	417	284	164	91
3982	3250	2156	1348	556	378	219	121
4612	3703	2297	1451	608	415	225	121

- * FR Container optional
- * High Wattage Models available 720W (15 min @ 10.5 V)
- * C10 Models available from 100 Ah to 200 Ah

Our footprint making a difference



Manufactured by:

- 📍 Armpower Ltd.
F-7, Sector-3 Noida Uttar Pradesh, India, 201301
- 🌐 www.armpower.in
- ✉ info@armpower.in
- ☎ +91 72173 33585



Visit our website to more product details
www.armpower.in