

Solar Battery Solution

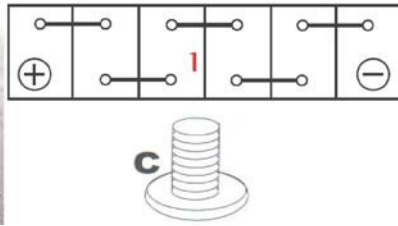
Solar Series

Solar Series Valve-regulated Lead Acid batteries use particular alloy and material technology design to ensure a excellent performance in various environments, especially high and low temp. The 105 series batteries is optimal for storage and conversion of photovoltaic and wind energy.



Application

- Photovoltaic system
- Alternative Energy Systems
- Electricity Utility
- Outdoor Control Equipment
- Railroad Utility



General Features

- Sealed & Maintenance free operation, No Spill design.
- ABS containers and covers
- Safety valve installation for explosion proof.
- High quality and high reliability.
- Exceptional deep discharge recovery performance.
- Low self discharge characteristic

Battery Model	BATT 12V105	
Nominal Voltage	12V	
Nominal Capacity (20Hr)	105Ah	
Nominal Capacity (5Hr)	85Ah	
Reserve Capacity (Min)	170	
CCA (-18°C) A / IEC	490	A
Operang Temperature (°C)	[-40°C to +50°C]	
Dimensions ± 0.5mm	Length	332mm
	Width	171mm
	Height	218mm
	Total Height	250mm
Cell Layout and Type	1	
Terminals	C	
Approx. Weight	Dry Charged	
	Wet Charged	24.5Kgs

105Ah 12V

105Ah 12V

Constant current discharge ratings-amperes at 25 °C

F . V/Time	5MIN	10MIN	15MIN	30MIN	1HR	3HR	5HR	10HR	20HR
1.60V	350	240	175	105	66.0	27.3	19.1	10.6	5.27
1.67V	315	219	170	102	65.9	27.2	18.9	10.4	5.25
1.70V	299	211	164	100	65.7	27.2	18.9	10.4	5.25
1.75V	266	195	155	98.0	65.0	27.0	18.8	10.2	5.23
1.80V	240	181	148	95.0	64.2	26.9	18.6	10.0	5.04
1.85V	182	149	128	87.4	63.5	26.8	18.5	9.83	4.74

Constant power discharge ratings-watts at 25 °C

F . V/Time	5MIN	10MIN	15MIN	30MIN	1HR	3HR	5HR	10HR	20HR
1.60V	577	398	310	198	130	52.4	36.5	21.2	10.5
1.67V	547	393	307	194	126	52.4	36.5	20.9	10.5
1.70V	511	383	302	189	122	52.4	36.5	20.7	10.5
1.75V	476	358	284	184	121	51.6	36.1	20.4	10.5
1.80V	427	333	267	179	119	50.9	35.5	20.0	10.1
1.85V	342	276	233	164	118	50.7	35.0	19.7	9.48

