

# DM16

HIGH VOLTAGE STORAGE BATTERY



- Scalable to 241.05kWh
- 90% Depth of Discharge
- Floor Mounting
- Easy installation
- IP20 Protection Level
- High Voltage and High Efficiency
- Intelligent air cooling control



Safety  
Reliable



Easy  
Installation



High  
Efficiency



Expandable  
System



90%  
DOD

The DM16 is a high-performance, scalable battery storage system, allows for maximum flexibility, making it suitable for a broad range of storage applications.

+91 83 3388 3388

info@solaryaan.com

www.solaryaan.com

@solaryaan

Solaryaan : A 1002, Times Square 2, Sindhu Bhavan Road, Thaltej, Ahmedabad, Gujarat 380054

\*Feature to be upgraded in the future. (T&C Apply)

# Technical Specifications



| Model                                  | DM16                                |
|----------------------------------------|-------------------------------------|
| <b>ELECTRICAL CHARACTERISTICS</b>      |                                     |
| Nominal Voltage [Vdc]                  | 51.2                                |
| Operating Voltage [Vdc]                | 46.4-58.4                           |
| Nominal Capacity [kWh]                 | 16.07                               |
| Max.Charge/Discharge Current [A]       | 240                                 |
| Recommend Discharge Current [A]        | 157                                 |
| Peak Discharge Current [A]             | 470@60S                             |
| Battery Pack Round-Trip Efficiency [%] | >92                                 |
| Depth of discharge [%]                 | 90                                  |
| Storage Temperature [°C]               | -10~50                              |
| Operating Temperature [°C]             | Charge:0~55 Discharge:-10~55        |
| Humidity [%]                           | 5~95 (No Condensing)                |
| Cycle Life                             | 6000 cycles, 0.5C 90%DOD,@70%SOH    |
| Communication                          | CAN                                 |
| Display                                | battery : LED*1, BOX:LED*6          |
| Scalability                            | Max. 15 Modules in Series           |
| Installation Location                  | Indoor                              |
| Altitude [m]                           | 3,000                               |
| Cooling method                         | Intelligent air cooling             |
| Ingress Protection                     | IP20                                |
| Dimension (W x H x D) [mm]             | 390x235x810                         |
| Weight Approximate [KG]                | 128                                 |
| Safety                                 | IEC62619                            |
| IEC/BIS                                | IEC 61000-6-1/2/3/4 / IS 16270:2023 |
| Transportation                         | UN38.3                              |
| Rated Energy Range [kWh]               | 64.28~241.05                        |
| Warranty                               | 6000 lifecycle @25 degree           |