



# DUPS

## Uninterruptible Power Supply



Daylife DUPS Series are high performance Uninterruptible Power Supplies (UPS) that provide consistent sine-wave power to critical equipment in the event of mains power fails. The UPS offers best in class efficiency and reliability, and is ideal for Industrial, Medical, Servers, Data center and Telecommunications applications. Salient features include

- True online double-conversion topology and zero transfer time to battery ensuring high reliability.
- Wide input range allows the UPS to operate in harsh electrical environments and extends battery life.
- Hot swappable batteries ensure continuous operation when batteries are being replaced.
- Powered by VRLA standard batteries with external battery cabinet (EBC) available for ranges DUPS3X & DUPS6X depending on configuration.
- Maintenance Bypass Switch as an option for DUPS6 & DUPS10 models
- All units are tower type with stands for positioning
- Remote Emergency Power Off (REPO) port to shut down UPS completely or switch off inverter only (Remote turn on/off - ROO function).
- Smart/Mini slots for fitting optional Modbus and SNMP communication cards for integration to external monitoring and control systems.

### OPERATIONAL CONDITIONS

**Power Factor:** 1

**Operating Temperature:** 0~40°

**Audible Noise:** <45dB

**Relative Humidity:** 20~95%(non-considering)

### TECHNICAL SPECIFICATION

| Model                    |                                    | DUPS1                                                                                                                                                      | DUPS3          | DUPS6           | DUPS10          | DUPS3X                                                                               | DUPS6X               |
|--------------------------|------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|-----------------|-----------------|--------------------------------------------------------------------------------------|----------------------|
| Battery Configuration    |                                    | Inbuilt Battery                                                                                                                                            |                |                 |                 | External Battery Pack                                                                |                      |
| Power Rating             |                                    | 1kVA/1kW                                                                                                                                                   | 3kVA/3kW       | 6kVA/6kW        | 10kVA/10kW      | 3kVA/3kW                                                                             | 6kVA/6kW             |
| Input                    | Voltage                            | 110~300Vac(Single phase)                                                                                                                                   |                |                 |                 |                                                                                      |                      |
|                          | Power Factor                       | ≤0.99                                                                                                                                                      |                |                 |                 |                                                                                      |                      |
|                          | Frequency                          | 40~70Hz Settable                                                                                                                                           |                |                 |                 |                                                                                      |                      |
|                          | Current THD                        | <4% Linear Load                                                                                                                                            |                |                 |                 |                                                                                      |                      |
| Output                   | Voltage                            | 208/220/230/240 VAC                                                                                                                                        |                |                 |                 |                                                                                      |                      |
|                          | Frequency                          | For Battery Mode: 50/60Hz±0.1%                                                                                                                             |                |                 |                 |                                                                                      |                      |
|                          | Voltage THD                        | ≤2% Linear load, 4% nonlinear load (PF=0.7)                                                                                                                |                |                 |                 |                                                                                      |                      |
|                          | Overload Capability                | AC Mode: 30min(102%-110%), 10min(110%-130%), 30sec(130%-150%), 200ms>150%<br>Battery Mode: 10min(102%-110%), 1min(110%-130%), 10sec(130%-150%), 200ms>150% |                |                 |                 |                                                                                      |                      |
| Efficiency               | AC Mode                            | 94.5%@220V                                                                                                                                                 | 95.5%@220V     | 95.5%           |                 | Up to 95.5%                                                                          |                      |
|                          | Battery Mode                       | 87.5%                                                                                                                                                      | 91.5%          | 94.8%           |                 | 91.5%                                                                                | 94.8%                |
| Battery                  | Voltage                            | 24VDC                                                                                                                                                      | 72VDC          | 192VDC          |                 | 96VDC                                                                                | 192~240VDC           |
|                          | Backup time at full load (50% DOD) | 4.5min                                                                                                                                                     | 4.6min         | 4.8min          | 3.4min          | Depending on different configurations; battery packs available: 18AH,24AH or55AH,12V |                      |
|                          | Battery Number                     | 2pcs x 7AH,12V                                                                                                                                             | 6pcs x 7AH,12V | 12pcs x 7AH,12V | 14pcs x 7AH,12V |                                                                                      |                      |
|                          | Charge Current                     | 1A default, adjustable to 2A                                                                                                                               |                |                 | 1A (default)    |                                                                                      | Adjustable up to 12A |
| Communication Interfaces |                                    | USB Port x 1, Rs4232 Port x 1, Rs485 Port x1, SNMP card/AS400 relay card                                                                                   |                |                 |                 |                                                                                      |                      |
| Dimensions (WxDxH)mm     |                                    | 285x143x222                                                                                                                                                | 395x143x222    | 250x500x615     |                 | 395x143x222                                                                          | 192x326x397          |
| Weight (kg)              |                                    | 10.5                                                                                                                                                       | 26             | 60              | 61              | 5.7                                                                                  | 11.5                 |