

BATTERY SIZING REPORT

1. SYSTEM REQUIREMENTS

System Discharge Load: [-] **Nominal Voltage:** [48] V
Power Factor (Cos Ø): [-] **Elements per String:** [24] Blocks
Inverter Efficiency: [-]% **Cut-off Voltage:** [1.67] V/cell
Battery Discharge Load: [4.32] KW **Expected Autonomy:** [120] min
Factors*:
Design Margin: [1.10] **Ageing Factor:** [1.00] **Temperature:** [25°C]

2. CALCULATION

Adjusted Battery Load: $[4.32] * [1.10] * [1.00] * [1.000] = 4.75 \text{ KW}$
Load per Block: $[\text{Battery DCH Load} * 1000] / [\text{Blocks Per String}] = \text{W Per Block}$
Sizing Allowance: -30.00% to +30.00%

3. CSB SOLUTION

No.	BATTERY TYPE	STRINGS	BLOCKS PER STRING	AUTONOMY
1	MSJ260	1	24	126.9 min

 * Design Margin, Ageing Factor and Temperature Coefficient Factor are in accordance with IEEE Std. 485-1997;

