

How to Use This Matrix

This matrix has been designed to help you estimate which Spark Cube model best fits your equipment needs in a hybrid set up. If you need any assistance, please call **+1 (866) 549-2743** or e-mail **sales@hybridps.ca**

1. Using Table 1, select which equipment you want to run on a single Spark Cube.
2. Determine during which season the equipment will be used and select the listed kWh usage from that column. If the unit will be used in both Winter and Spring/Summer/Fall months, use Winter column.
3. Add up all equipment to determine the total kWh requirement.
4. Using Table 2, compare your total kWh requirement against the recommended loads for each Spark Cube model to determine which model best fits your needs.

Keep in Mind

- When selecting your preferred model, the kWh requirement should not exceed the recommended Spark load.
- We recommend using the Spark Cube loads under the 'reduced generator usage' column, as this will keep your daily generator usage under 8 hours providing optimized cost savings.
- The 20kWh Spark Cube is only available in 120/240V Split Phase. Any equipment needing 208V will require either the 30kWh or 60kWh models.

Table 1: Equipment List

	Typical kWh Used per 24h (Spring/Summer/Fall)	Typical kWh Used per 24h (Winter)
20ft Office Trailer	40	72
40ft Office Trailer	60	108
6 Stall Restroom	24	96
2 Stall Restroom	12	36
1 Port-O-Poty	3	24
Miller Welder 350 XMT	12	12
Concrete Water Sprayer	15	15
400,000 BTU LPG Heater	20	36
50,000 BTU LPG Heater	3	3
7CFM Air Compressor	5	5
2,000lb Mini Excavator	8	8
600lbs Floor Scraper	8	8
30,000 Lumen Light Tower	6	6

Table 2: Spark Cube Loads

	To Achieve Less Than 8H Generator	
	Reduced Generator Usage <8h (Recommended)	Moderate Generator Usage 8h to 16h (Reduced Benefits)
Spark Cube 20kWh	60 kWh	120 kWh
Spark Cube 30kWh	90 kWh	180 kWh
Spark Cube 60kWh	180 kWh	360 kWh