

SOLUTION COMPARISON

Power Apportionment Options for Daikin VRV Systems

If you're installing a Daikin VRV system in a multi-tenant residential or commercial building, your customer may have a need to monitor tenant energy usage.

At first glance, Daikin's PPD and Turntide's PER might seem similar. But once you compare them side by side, you'll discover that Turntide's PER is a more flexible and customer-friendly solution. Best of all, you receive an email report every month that automatically generates meaningful insights about building energy usage.



	Daikin PPD	Turntide Proportional Energy Reporting (PER)
Outlier Identification	Unable to flag outliers by itself; requires manual data analysis	Automatically identifies outliers and trends from prior month
Set-Up Cost	Daikin PPD potentially requires multiple iTM to be setup for their calculations. The PPD calculations themselves require onsite setup.	PER calculations are quick to setup and cloud based . It is also more easily adjusted because no onsite visit to an iTM is required.
Metering Equipment	Uses direct pulse meters, resulting in a more challenging setup	Uses meters certified to do their own pulse monitoring – allows for ease of setup and more control at the time of energy meter installation. There is a potential decrease in material and wiring installation costs resulting from not having to require one pulse meter per ODU.
Post-Install Data Processing Adjustments	Requires site visits as processing is done locally	Does not require site visits; all changes can be done remotely in the cloud
Configuration and Calculation Process	Not flexible ; only allows power consumption of IDUs to be treated as connected to the ODU's electric meter. Unable to accommodate deduct meters or simple power draw calculations	Flexible : can use energy groups (which allow for specific ODUs to be connected to specific meters) or run in a merged mode (where we can treat the site as a whole); accommodates deduct meters or simple power draw calculations
Report Delivery	Delivered in multiple raw CSV data files that require additional analysis to generate meaningful reporting	Delivered in a single CSV file and email report which includes insightful data visualizations (trend changes, energy outlier identification, summary)

TURNTIDE TECHNOLOGIES

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